

14421 County Rd. 10 • Ft. Lupton, Colorado 80621 • (303) 857-9999 • FAX (303) 857-0577 • E-MAIL Permitco 1@aol.com

September 2, 2005

Division of Oil, Gas & Mining 1594 West North Temple, Suite 1210 Box 145801 Salt Lake City, UT 84114-5801

Attn: Diana Whitney

Re: Gasco Production Company
Gate Canyon State #23-16-11-16
1786' FSL and 1890' FWL
NE SW Section 16, T11S - R16E
Duchesne County, Utah

Dear Diana,

Enclosed please find two copies of the Application for Permit to Drill, along with the required drilling program, BOP diagram, wellsite maps and diagrams.

Please have your Roosevelt office contact Shawn Elworthy (435/823-4272) to conduct the onsite inspection for this well.

If you should need additional information, please don't hesitate to contact me. Approved copies of the A.P.D. should be sent to Permitco Inc. at the address shown above.

Sincerely,

PERMITCO INC.

Venessa Langmacker
Venessa Langmacher
Consultant for

Gasco Production Company

Enc.

cc: Gasco Production Company - Englewood, CO

Shawn Elworthy - Roosevelt, UT

Utah Division of Oil, Gas & Mining - Roosevelt, UT

Utah Division of State Lands - SLC, UT

RECEIVED

SEP 0.6 2005

DIV. OF OIL, GAS & MITTING

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS AND MINING

AMENDED REPORT	
(highlight changes)	

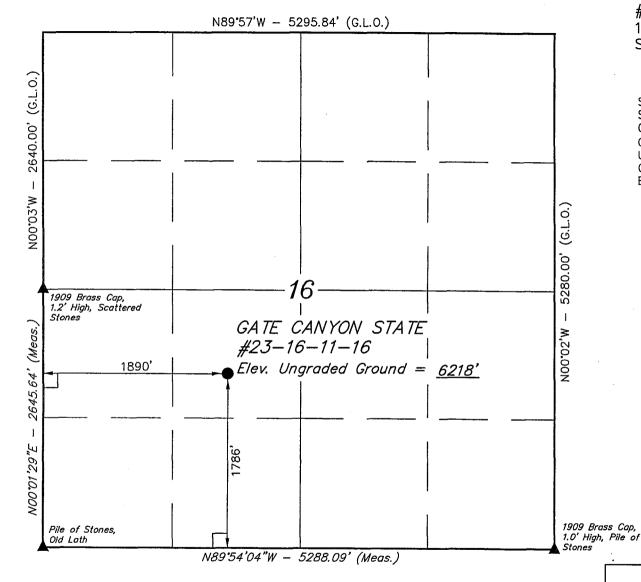
	APPLICATION FOR	PERMIT	TO DRILL		5. MINERAL LEASE NO.: ML-46301	6. SURFACE:	
1A. TYPE OF WO	RK: DRILL 🛣 REENTER 🗆	DEEPEN	иП		7. IF INDIAN, ALLOTTEE OR		
		DELI LI	•		N/A		
B. TYPE OF WEI	.L: OIL GAS 💢 OTHER	SIN	GLE ZONE 📉 MULTIPLE ZO	ONE 🗔	8. UNIT or CA AGREEMENT	NAME:	
					Gate Canyon Unit		
2. NAME OF OPER	RATOR:		The state of the s		9. WELL NAME and NUMBER	₹:	
Gasco Pro	oduction Company				Gate Canyon Stat	e #23-16-11-16	
3. ADDRESS OF C	DPERATOR:		PHONE NUMBER:		10. FIELD AND POOL, OR W	ILDCAT:	
8 Invernes	ss Drive East, Suite 100, Englewood	d, CO 80112	303/483-0044		Gate Canyon W	ideat	
4. LOCATION OF	WELL (FOOTAGES) 5	14326X	39.85474	-7	11. QTR/QTR, SECTION, TO	WNSHIP, RANGE	
AT SURFACE:	1786' FSI	and 1890' F		(MERIDIAN:		
		4417894	-/.4 /	,	Section 16, T11S	- R16E	
AT PROPOSED I	FRODUCING ZONE:	4411877					
14. DISTANCE IN	MILES AND DIRECTION FROM NEAREST TOWN OR	POST OFFICE:			12. COUNTY:	13. STATE:	
Approxi	mately 36 miles southeast of Mytor	າ, UT			Duchesne	UT	
15. DISTANCE TO	NEAREST PROPERTY OR LEASE LINE (FEET)		ER OF ACRES IN LEASE:	17. NL	JMBER OF ACRES ASSIGNED		
	1786'		640		40 Acre	s	
	NEAREST WELL (DRILLING, COMPLETED, OR	19. PROPO	OSED DEPTH:	20. BC	OND DESCRIPTION:		
APPLIED FOR) ON THIS LEASE (FEET): None	į	11,598'		Statewide Bond N	lo /127762	
21. ELEVATIONS	(SHOW WHETHER DF, RT, GR, ETC.):	22. APPRO	DXIMATE DATE WORK WILL START:	23. ES	STIMATED DURATION:	10. 4127703	
	6218' GL		ASAP	Ì	35 Days		
24.			IG AND CEMENTING PR			· · · · · · · · · · · · · · · · · · ·	
17-1/2"	CASING SIZE, GRADE, AND WEIGHT PER FOOT	SETTING DEPTH	<u> </u>		ITY, YIELD, AND SLURRY WEI		
	13-3/8", H-40, 48#	225'	T		ype 5, 15.6 ppg, 1.18		
12-1/4"	8-5/8", J-55, 32#	2,270'				185 sx 10-2 RFC @ 14.2 ppg, 1.63 yield	
7-7/8"	4 ¹ 1/2", P-110, 13.5#	11,598'	366 sx Hi-Lift @ 11.5 ppg,	3.05 yield	I & 1395 sx 50/50 Poz @	14.1 ppg, 1.28 yield	
			CONFIDEN	VTIAL	-TIGHT HOLE		
25.			TTACHMENTS				
VERIFY THE FO	LOWING ARE ATTACHED IN ACCORDANCE WITH T	HE UTAH OIL AND	GAS CONSERVATION GENERAL RUI	LES:			
✓ WELL PL	AT OR MAP PREPARED BY LICENSED SURVEYOR O	R ENGINEER	✓ COMPLETE DRILLING	G PLAN			
[V] EVIDENCE	CE OF DIVISION OF WATER RIGHTS APPROVAL FOR	USE OF WATER	FORM 5 IF OPERATO	OR IS PERSO	ON OR COMPANY OTHER THA	AN THE LEASE OWNER	
				orrior Enor	ON OR OOM ARY OTHER THE	WITE ELACE OWNER	
AGENT: F	PermitCo Inc.				AGENT'S PHONE NO.	: 303/857-9999	
NAME (PLEASE	PRINT) Venessa Langmacher		TITLE A	gent for	Gasco Production	Company	
SIGNATURE	Venessa Sargman	ne j	DATE S	eptembe	er 2, 2005		
(This space for Sta	ate use only)						
			and the think	3			
API NUMBER ASS	GIGNED: 43-013-32888	Apr Ute	proved by the high provided the highest provided th				

(11/2001)

RECEIVED SEP 07 2005

DIV. OF OIL, GAS & MINING

T11S, R16E, S.L.B.&M.



BASIS OF BEARINGS

BASIS OF BEARINGS IS A G.P.S. OBSERVATION.

(AUTONOMOUS NAD 83)

LEGEND:

= 90° SYMBOL

PROPOSED WELL HEAD.

= SECTION CORNERS LOCATED.

(AUTONOMOUS NAD 27) LATITUDE = 39.51'17.42'' (39.854839) LONGITUDE = 110°07'52.23" (110.131175)

LONGITUDE = $110^{\circ}07'54.78''$ (110.131883)

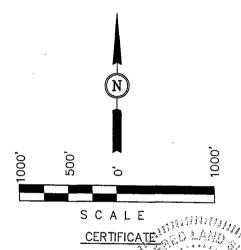
LATITUDE = 39.51.17.29" (39.854803)

GASCO PRODUCTION COMPANY

Well location, GATE CANYON STATE #23-16-11-16, located as shown in the NE 1/4 SW 1/4 of Section 16, T11S, R16E, S.L.B.&M. Duchesne County. Utah.

BASIS OF ELEVATION

SPOT ELEVATION AT THE SOUTHEAST CORNER OF SECTION 20, T11S, R16E, S.L.B.&M. TAKEN FROM THE COWBOY BENCH QUADRANGLE, UTAH, 7.5 MINUTE QUAD. (TOPOGRAPHIC MAP) PUBLISHED BY THE UNITED STATES DEPARTMENT OF THE INTERIOR. GEOLOGICAL SURVEY. SAID ELEVATION IS MARKED AS BEING 6404 FEET.



THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS MADE BY ME OR UNDER MY SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BEGIEFA

REGISTERED LAND SURVEYOR

REGISTRATION NO 161319 STATE OF UTAH

UINTAH ENGINEERING & LAND SURVEYING 85 SOUTH 200 EAST - VERNAL, UTAH 84078 (801) 789-1017

SCALE 1" = 1000'	DATE SURVEYED: DATE DRAWN: 8-24-05 8-29-05	
PARTY G.O. J.K. K.G.	REFERENCES G.L.O. PLAT	
WEATHER	FILE	
НОТ	GASCO PRODUCTION COMPAN	٧Y

CONFIDENTIAL - TIGHT HOLE

Gate Canyon State #23-16-11-16 1786' FSL and 1890' FWL NE SW Section 16, T11S - R16E Duchesne County, Utah

Prepared For:

Gasco Production Company

By:

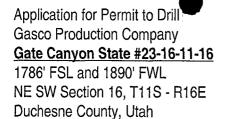
PERMITCO INC. 14421 County Road 10 Fort Lupton, CO 80621 303/857-9999

CONFIDENTIAL TIGHT HOLE

Copies Sent To:

- 2 Utah Division of Oil, Gas & Mining SLC, UT
- 1 Utah Division of Oil, Gas & Mining Roosevelt, UT
- 2 Gasco Production Company Englewood, CO
- 1 Utah Division of State Lands SLC, UT
- 1 Shawn Elworthy Roosevelt, UT





Mineral Lease #ML-46301 <u>DRILLING PROGRAM</u> Page 2

The proposed wellsite is located on State Surface/State Minerals.

1. Estimated Tops/Geologic Markers

The estimated tops of important geologic markers are as follows:

Formation	Depth	Subsea
Green River Fm.	Surface	+6,238'
Wasatch	3,838'	+2,400'
Mesaverde	7,988'	-1,750'
Castlegate	10,468'	-4,230'
Blackhawk	10,738'	-4,500'
Aberdeen	11,458'	-5,220'
T.D.	11,758'	-5,520'

2. Estimated Depths and Names of Anticipated Water, Oil, Gas or Other Minerals Bearing Formations.

Substance	Formation	Depth
Gas	Wasatch	4,000'-7,988'
Gas	Mesaverde	7,988'-10,468'
Gas	Blackhawk	10,468'-11,650'

3. Well Control Equipment & Testing Procedures

Gasco Production Company's minimum specifications for pressure control equipment are as follows:

Ram Type: 11" Hydraulic double, 5000 psi w.p.



Application for Permit to Drill
Gasco Production Company
Gate Canyon State #23-16-11-16
1786' FSL and 1890' FWL
NE SW Section 16, T11S - R16E
Duchesne County, Utah



Mineral Lease #ML-46301 DRILLING PROGRAM

Page 3

Gasco will comply will all requirements pertaining to well control as listed in the Rule R649-3-7 of the Utah Division of Oil, Gas & Mining.

The size and rating of the BOP stack is shown on the attached diagram.

4. Casing Program

The proposed casing program will be as follows:

Purpose	Depth	Hole Size	O.D.	Weight	Grade	Туре	New/Used
Conductor	0-225'	17-1/2"	13-3/8"	48#	H-40		New
Surface	0-2,270'	12-1/4"	8-5/8"	32#	J-55	ST&C	New
Production	0-11,598'	7-7/8"	4-1/2"	13.5#	P-110	LT&C	New

Casing design subject to revision based on geologic conditions encountered.

5. Cement Program

Conductor	Type and Amount
0-225'	225 sx Premium Type 5 mixed at 15.6 ppg, 1.18 yield.
Surface	Type and Amount
TOC @ Surface	Lead: 325 sx Hi-Lift mixed at 11.0 ppg, 3.91 yield. Tail: 185 sx 10-2 RFC mixed at 14.2 ppg, 1.63 yield.
Production	Type and Amount
TOC @ 2,500'	Lead: 366 sx Hi-Lift mixed at 11.5 ppg, 3.05 yield. Tail: 1395 sx 50/50 Poz mixed at 14.1 ppg, 1.28 yield.



Mineral Lease #ML-46301 DRILLING PROGRAM

Page 4

6. Drilling Fluids

The proposed circulating mediums to be employed in drilling are as follows:

Interval	Mud Type	Mud Wt.	Visc.	F/L	PH
1' - 225'	Fresh Water	8.33	1		7
225' - 2,270'	Fresh Water	8.33	1		7-8
2,270' - T.D.	Fresh Water & DAP Mud	9.0-11.5	30-40	12-20	8

7. Testing, Logging and Coring

The anticipated type and amount of testing, logging and coring are as follows:

- a. No drill stem tests are anticipated.
- b. The logging program will consist of a Schlumberger Platform Express or equivalent to be run from TD to base of surface casing.
- c. No cores are anticipated.

8. Anticipated Pressures and H₂S

a. No H₂S is expected. The maximum anticipated bottom hole pressure is 6988 psi. The maximum bottom hole temperature is 210 degrees Fahrenheit.

9. Water Source

a. All water used for the drilling of this well will be purchased the Nebeker Water Station in Myton, UT. Permit No. 43-1721.

10. Other Information

a. Drilling is planned to commence immediately upon approval.



Application for Permit to Drill Gasco Production Company Gate Canyon State #23-16-11-16 1786' FSL and 1890' FWL NE SW Section 16, T11S - R16E Duchesne County, Utah



Mineral Lease #ML-46301 DRILLING PROGRAM

Page 5

- b. It is anticipated that the drilling of this well will take approximately 35 days.
- c. Lining of the reserve pit will be done if deemed necessary by the Utah Division of Oil, Gas and Mining.
- d. At the end of drilling operations the location will be reclaimed and re-seeded as requested by the State of Utah.
- e. Surface Ownership

State of Utah



GASCO PRODUCTION COMPANY

GATE CANYON STATE #23-16-11-16 LOCATED IN DUCHESNE COUNTY, UTAH

SECTION 16, T11S, R16E, S.L.B.&M.



PHOTO: VIEW FROM CORNER #5 TO LOCATION STAKE

CAMERA ANGLE: SOUTHWESTERLY



PHOTO: VIEW FROM BEGINNING OF PROPOSED ACCESS

CAMERA ANGLE: NORTHWESTERLY



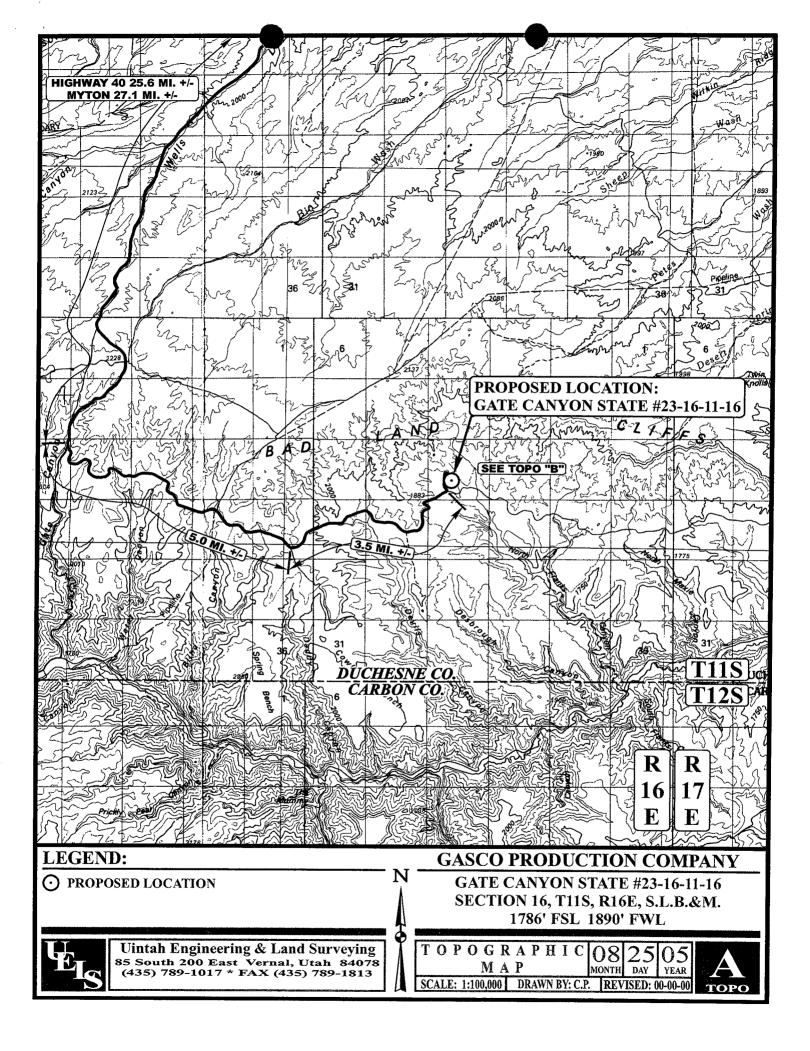
Uintah Engineering & Land Surveying 85 South 200 East Vernal, Utah 84078 435-789-1017 uels@uelsinc.com

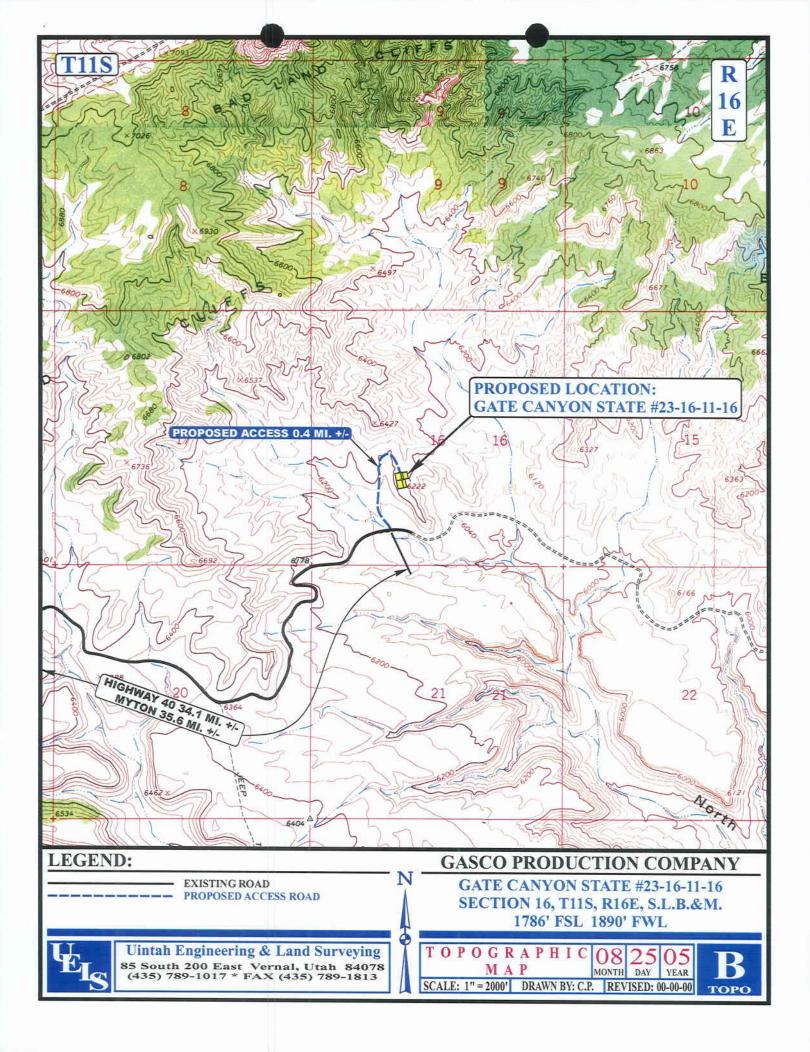
LOCATION PHOTOS

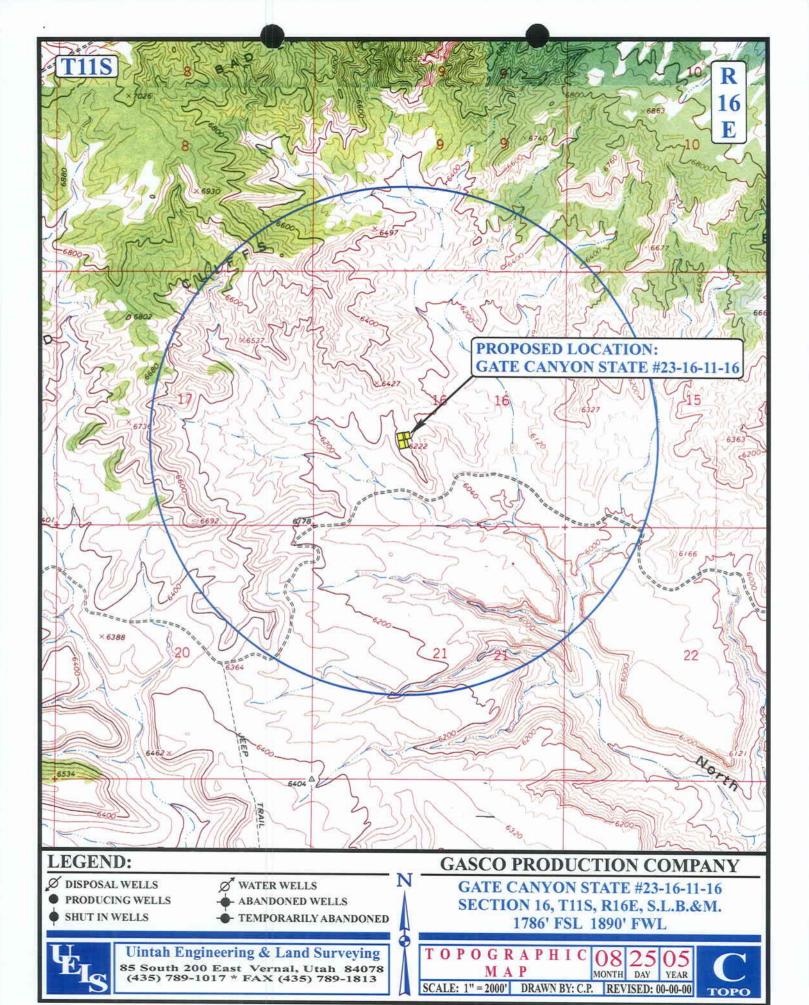
MONTH DAY YEAR

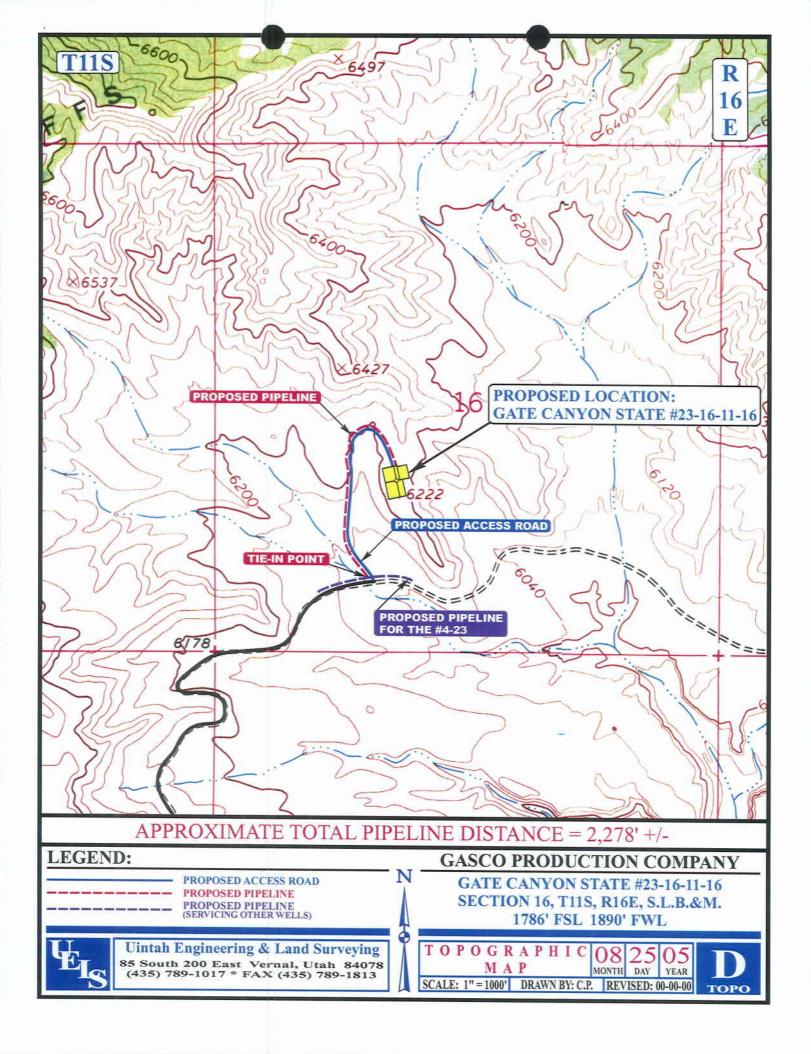
РНОТО

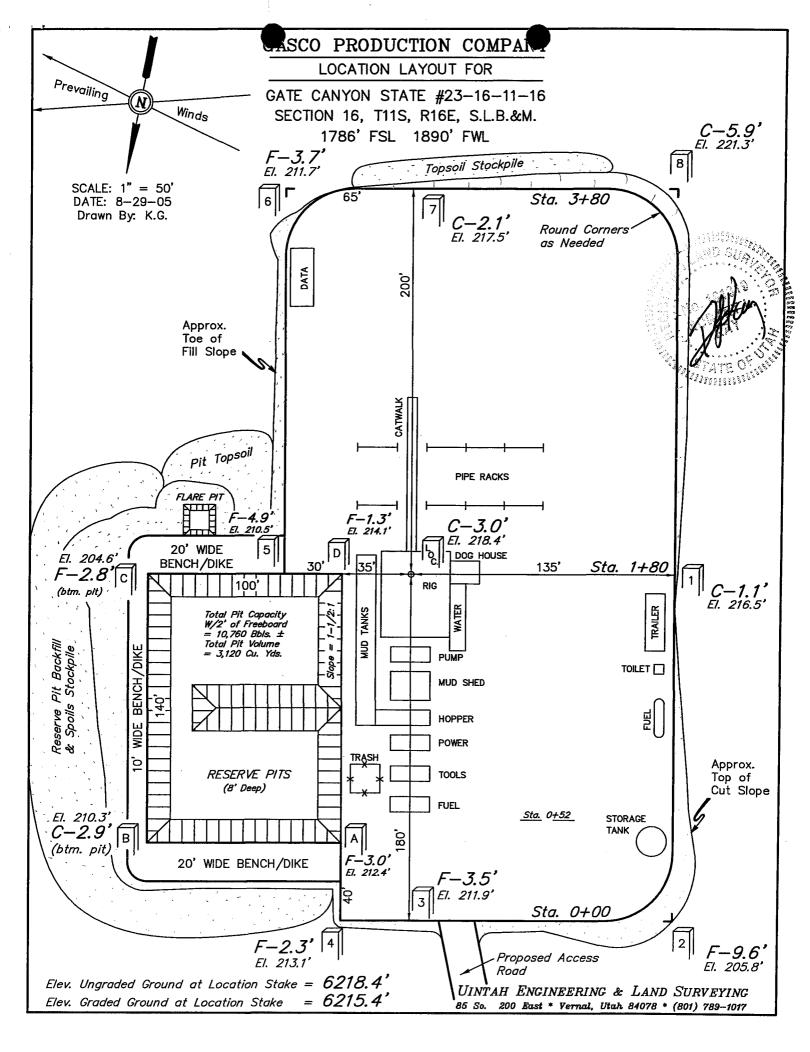
TAKEN BY: G.O. DRAWN BY: C.P. REVISED: 00-00-00

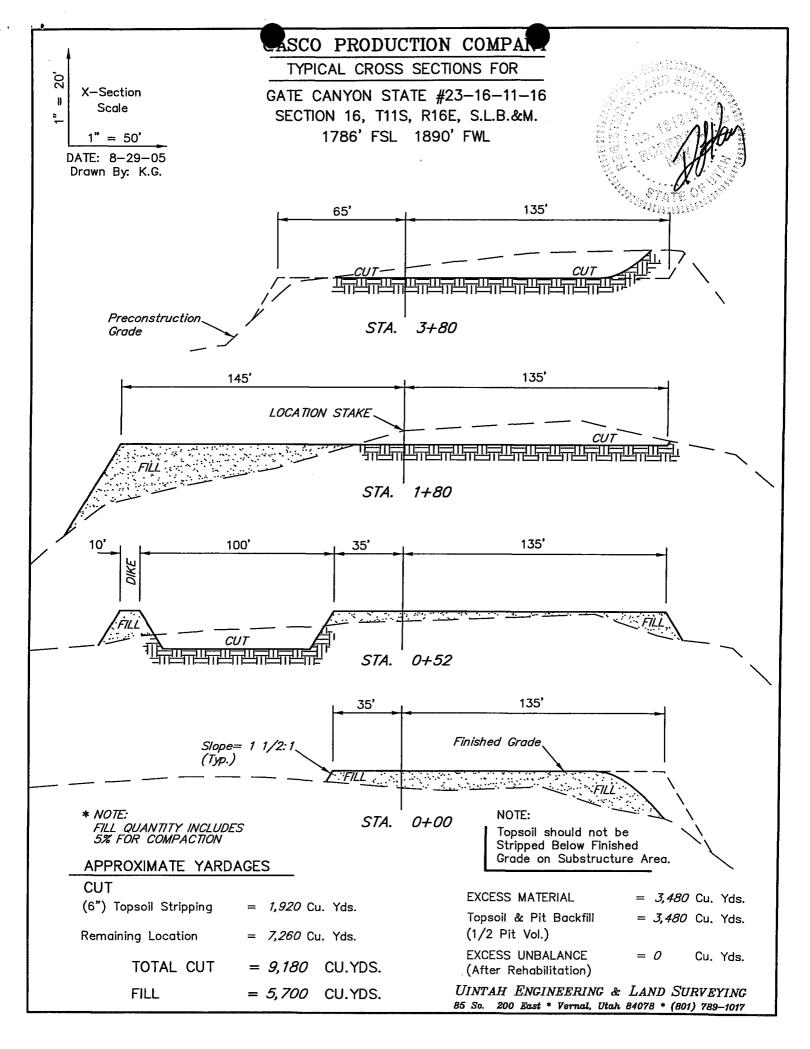






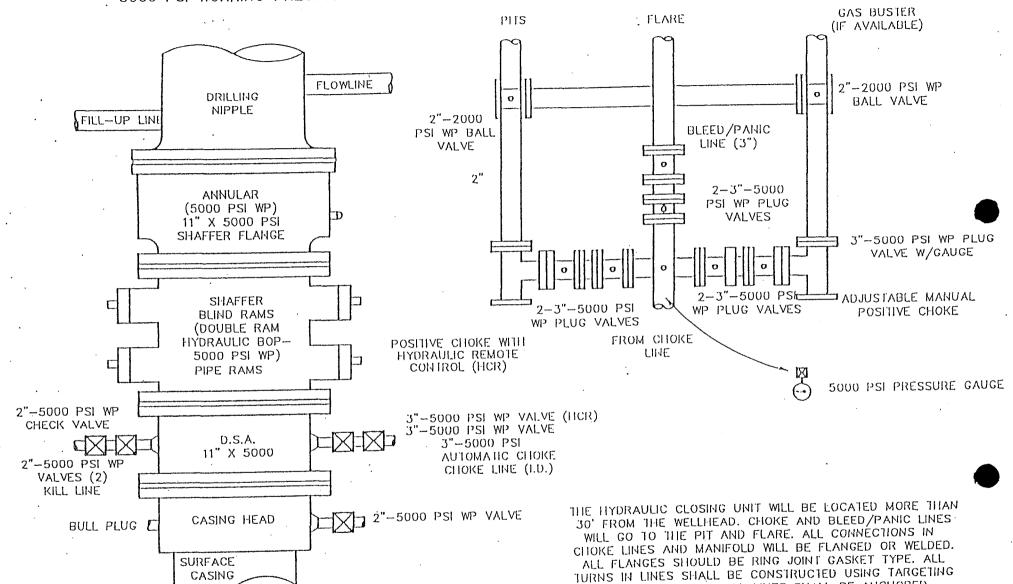




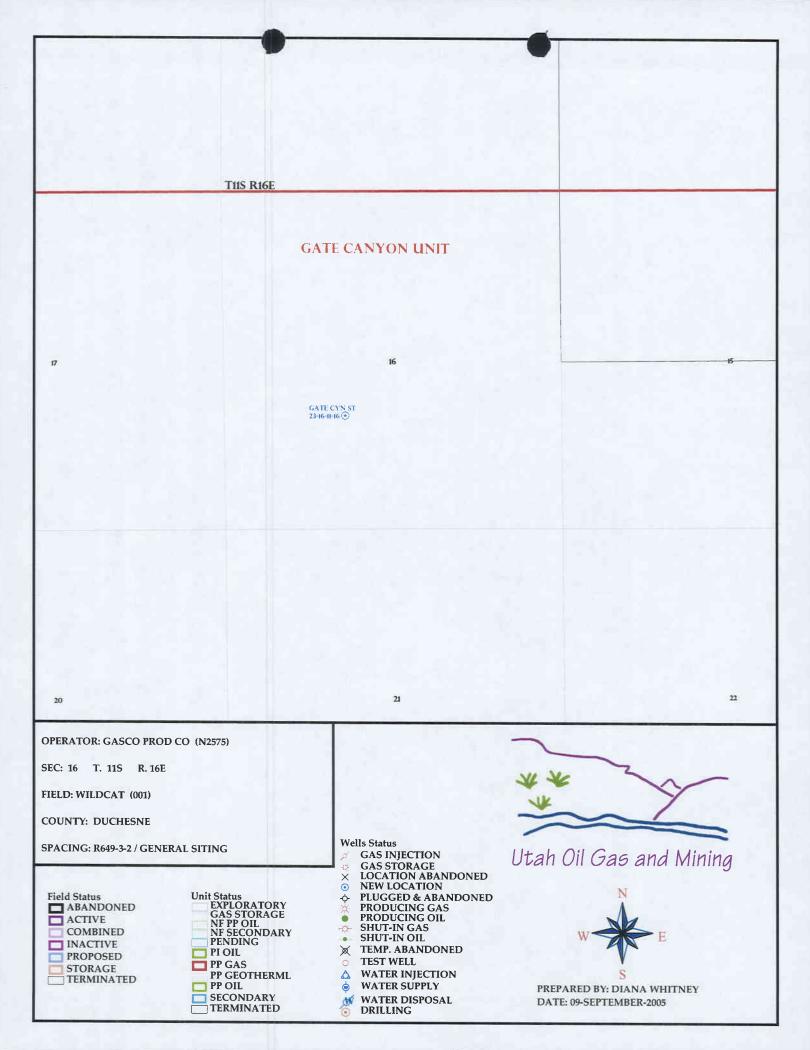


CASING

90' TEES OR ELLS. ALL LINES SHALL BE ANCHORED.



APD RECEIVED: 09/07/2005	API NO. ASSIGN	ED: 43-013-328	88
WELL NAME: GATE CYN ST 23-16-11-16 OPERATOR: GASCO PRODUCTION (N2575) CONTACT: VENESSA LANGMACHER	PHONE NUMBER: 3	03-857-9999	
PROPOSED LOCATION: NESW 16 110S 160E	INSPECT LOCATN	I BY: / ,	/
SURFACE: 1786 FSL 1890 FWL BOTTOM: 1786 FSL 1890 FWL	Tech Review	Initials	Date
DUCHESNE	Engineering	Drus	10/14/05
WILDCAT (1)	Geology		
LEASE TYPE: 3 - State LEASE NUMBER: ML-46301	Surface		
SURFACE OWNER: 3 - State PROPOSED FORMATION: BLKHK COALBED METHANE WELL? NO	LATITUDE: 39.8 LONGITUDE: -110		
Plat ✓ Plat ✓ Bond: Fed[] Ind[] Sta[] Fee[] (No. 04127763) N Potash (Y/N) N Oil Shale 190-5 (B) or 190-3 or 190-13 ✓ Water Permit (No. 43-1721) RDCC Review (Y/N) (Date:) N Fee Surf Agreement (Y/N) Intent to Commingle (Y/N)	Drilling United States Siting:	General rom Qtr/Qtr & 920' Exception	
STIPULATIONS: 1- Spacing Stip Z- STATEMENT O			



DIVISION OF OIL, GAS AND MINING APPLICATION FOR PERMIT TO DRILL STATEMENT OF BASIS

OPERATOR:	GASCO PRODUCTION COMPANY
WELL NAME & NUMBER: _	GATE CANYON STATE #23-16-11-16
API NUMBER:	
LOCATION: 1/4,1/4 NE/SW S	ec: 16 TWP: 11S RNG: 16E 1786'FSL 1890' FWL
Geology/Ground Water:	
Gasco has proposed 225' of sur	face casing and 2,270' of intermediate casing at the proposed location. Both are
to be cemented to surface. The	base of the moderately saline water is estimated to at approximately 3,200'. A
	hts records shows no water wells within a 10,000' radius of the proposed
	at this location is the Green River Formation. This area can be considered a
	Green River Formation. The Green River Formation is made up of interbedde
	he proposed casing and cementing program should adequately protect the
recharge area and any useable so	ources of ground water.
Reviewer:	<u>Brad Hill</u> Date : 09/28/2005
G. e	
Surface:	
The predrill investigation of the	surface was performed on September 22, 2005. Both the surface and the mineral
The predrill investigation of the are owned by S.I.T.L.A Ed Bon	ner and Lavonne Garrison of S.I.T.L.A and Ben Williams of UDWR were notified
The predrill investigation of the are owned by S.I.T.L.A Ed Bon by email on 9/15 and invited to pa	ner and Lavonne Garrison of S.I.T.L.A and Ben Williams of UDWR were notified articipate in this presite. Ben Williams of the UDWR attended. Caleb Rounsavill
The predrill investigation of the are owned by S.I.T.L.A Ed Bon by email on 9/15 and invited to pa	ner and Lavonne Garrison of S.I.T.L.A and Ben Williams of UDWR were notified
The predrill investigation of the are owned by S.I.T.L.A Ed Bon by email on 9/15 and invited to pa of GASCO also attended. The sit	ner and Lavonne Garrison of S.I.T.L.A and Ben Williams of UDWR were notified articipate in this presite. Ben Williams of the UDWR attended. Caleb Rounsavillate is a good location for drilling. The access road presents no significant problems.
The predrill investigation of the sare owned by S.I.T.L.A Ed Bon by email on 9/15 and invited to pa of GASCO also attended. The sit	ner and Lavonne Garrison of S.I.T.L.A and Ben Williams of UDWR were notified articipate in this presite. Ben Williams of the UDWR attended. Caleb Rounsavill the is a good location for drilling. The access road presents no significant problems on of Wildlife Resources stated that the DWR classifies the area as critical winter.
The predrill investigation of the sare owned by S.I.T.L.A Ed Bon by email on 9/15 and invited to pa of GASCO also attended. The sit Ben Williams of the Utah Division range for elk and high value for design of the U	ner and Lavonne Garrison of S.I.T.L.A and Ben Williams of UDWR were notified articipate in this presite. Ben Williams of the UDWR attended. Caleb Rounsavill the is a good location for drilling. The access road presents no significant problems on of Wildlife Resources stated that the DWR classifies the area as critical winter eer. However, he did not recommend a restriction period to the operator since the
The predrill investigation of the sare owned by S.I.T.L.A Ed Bon by email on 9/15 and invited to pa of GASCO also attended. The sit Ben Williams of the Utah Division range for elk and high value for delocation is not far from the Wrikl	ner and Lavonne Garrison of S.I.T.L.A and Ben Williams of UDWR were notified articipate in this presite. Ben Williams of the UDWR attended. Caleb Rounsavill the is a good location for drilling. The access road presents no significant problems on of Wildlife Resources stated that the DWR classifies the area as critical winter the eer. However, he did not recommend a restriction period to the operator since the groad, which receives significant yearlong travel. He did suggest that if it can be
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The predrill investigation of the sare owned by S.I.T.L.A Ed Bon by email on 9/15 and invited to pa of GASCO also attended. The sit Ben Williams of the Utah Division range for elk and high value for delocation is not far from the Wrikl scheduled the operator delay drill	ner and Lavonne Garrison of S.I.T.L.A and Ben Williams of UDWR were notified articipate in this presite. Ben Williams of the UDWR attended. Caleb Rounsavillate is a good location for drilling. The access road presents no significant problems on of Wildlife Resources stated that the DWR classifies the area as critical winterer. However, he did not recommend a restriction period to the operator since the es road, which receives significant yearlong travel. He did suggest that if it can be ing the location as late as possible in the winter season when the elk have moved to

Conditions of Approval/Application for Permit to Drill:

1. A synthetic liner with a minimum thickness of 12 mils with a felt subliner shall be properly installed in the reserve pit.

ON-SITE PREDRILL EVALUATION Division of Oil, Gas and Mining

OPERATOR: GASCO PRODUCTION COMPANY

WELL NAME & NUMBER: GATE CANYON STATE #23-16-11-16

API NUMBER: 43-013-32888

LEASE: 46301 FIELD/UNIT: UNDESIGNATED

LOCATION: 1/4,1/4 NE/SW Sec: 16 TWP: 11S RNG: 16E 1786'FSL 1890' FWL LEGAL WELL SITING: 460 F SEC. LINE; 460 F 1/4,1/4 LINE; 920 F ANOTHER WELL.

GPS COORD (UTM): 574326 x 4411789 y SURFACE OWNER: State of Utah

PARTICIPANTS

Floyd Bartlett (DOGM), Caleb Rounsaville, (GASCO), Ben Williams (UDWR)

REGIONAL/LOCAL SETTING & TOPOGRAPHY

Site is on top of a narrow sharp-sided lateral ridge or plateau. This ridge is below the main divide and runs in a southerly direction. The main divide ridge, which runs east-west, extends east and becomes known as the Bad Land Cliffs. The drainage below the site runs into North Franks Canyon, which drains into Nine Mile Canyon. Nine Mile Canyon runs southeast into the Green River. Flat ridges or plateaus with steep canyons characterize the general area. The plateaus are generally well vegetated. The site is approximately 26 miles southeast of Myton, Duchesne County, Utah. The Nine Mile and Wrinkles Ridge County Roads access it.

SURFACE USE PLAN

CURRENT SURFACE USE: Cattle and big game grazing, hunting.

PROPOSED SURFACE DISTURBANCE: location will be 380' by 270'. Access road will be 0.4 miles.

LOCATION OF EXISTING WELLS WITHIN A 1 MILE RADIUS: None

LOCATION OF PRODUCTION FACILITIES AND PIPELINES: All production facilities will be located on-site. Pipeline will follow the access road to tie in with an existing pipeline along the Wrinkles Road.

SOURCE OF CONSTRUCTION MATERIAL: All construction material for the road and location will be obtained from the site.

ANCILLARY FACILITIES: None will be required.

WILL DRILLING AT THIS LOCATION GENERATE PUBLIC INTEREST OR CONCERNS? EXPLAIN: Unlikely. Other wells exist within the general area. A large compressor station is being constructed along the road accessing this location. Most of the travel is oilfield related.

WASTE MANAGEMENT PLAN:

Drilled cuttings will be settled into a reserve pit. Liquids from pit will be allowed to evaporate. Formation water will be confined to storage tanks. Commercial contractor will handle sewage facilities, storage and disposal. Trash will be contained in trash baskets and hauled to an approved land fill.

ENVIRONMENTAL PARAMETERS

AFFECTED FLOODPLAINS AND/OR WETLANDS: None

FLORA/FAUNA: Thick spiked wheat grass, Stipa commata, Snake broom weed, Winter fat, Buckwheat, black sage, shadscale; Deer, Elk, antelope, songbirds, rodent, raptors coyote, bobcats, cattle in the winter.

SOIL TYPE AND CHARACTERISTICS: light brown clay loam with frequent fractured rock pavement.

EROSION/SEDIMENTATION/STABILITY: Very little natural erosion on the benches or plateaus. Significant and sometimes heavy erosion occurs from the steep poorly vegetated side slopes. No runoff should occur from the side slopes onto the location

PALEONTOLOGICAL POTENTIAL: A paleo survey was completed and forwarded to SITLA.

RESERVE PIT

CHARACTERISTICS: 100' by 140' located on the north east side of the location. The north east corner is in 2.9 feet of fill. It is 8 feet deep with a 10-foot wide dike. Stability should not be a problem.

LINER REQUIREMENTS (Site Ranking Form attached): The site has a sensitivity rating of II. A 12 mil liner with felt sub-liner is required.

SURFACE RESTORATION/RECLAMATION PLAN

<u>As</u>	per agree	ment	with	SITLA				
					-			 ****
SURFACE	AGREEMENT	: Yes	3					

CULTURAL RESOURCES/ARCHAEOLOGY: Report was completed on 09/19/2005 and has been forwarded to SHIPO.

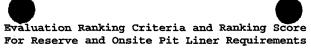
OTHER OBSERVATIONS/COMMENTS: Ben Williams of the Utah Division of Wildlife Resources stated that the DWR classifies the area as critical winter range for elk and high value for deer. However, he did not recommend a restriction period to the operator since the location is not far from the Wrikles road, which receives significant yearlong travel. He did suggest that if it can be scheduled the operator delay drilling the location as late as possible in the winter season.

ATTACHMENTS

Photos of this site were taken and placed on file.

Floyd Bartlett
DOGM REPRESENTATIVE

September 22, 2005 11:00 AM
DATE/TIME



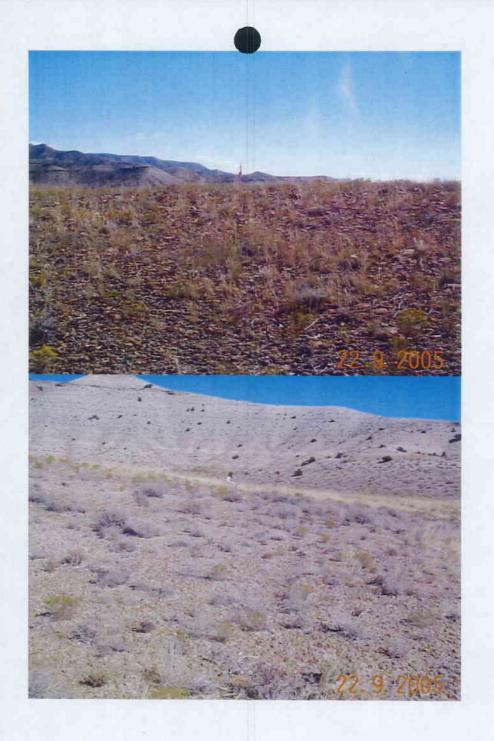
For Reserve and C	onsite Pit Liner i	xequirements
Site-Specific Factors	Ranking	Site Ranking
Distance to Groundwater (feet)		
>200	0	
100 to 200	5	
75 to 100 25 to 75	10	
<25 or recharge area	15 20	5
120 01 100-10130 0100	20	
Distance to Surf. Water (feet)	_	
>1000 300 to 1000	0 2	
200 to 300	10	
100 to 200	15	0
< 100	20	
Distance to Nearest Municipal		
Well (feet)		
>5280	0	
1320 to 5280	5	
500 to 1320	10	_
<500	20	0
Distance to Other Wells (feet)		
>1320	0	
300 to 1320	10	
<300	20	0
Native Soil Type		
Low permeability	0	
Mod. permeability	10	
High permeability	20	10
Fluid Type		
Air/mist	0	
Fresh Water	5	
TDS >5000 and <10000	10	
TDS >10000 or Oil Base Mud Fluid containing significant levels of	15	
hazardous constituents	20	5
		<u>~_</u>
Drill Cuttings Normal Rock	0	
Salt or detrimental	0 10	0
	10	
Annual Precipitation (inches)	•	
<10 10 to 20	0 5	
>20	10	0
Affected Populations		
<10 10 to 30	0 6	
30 to 50	8	
>50	10	0
Drogongo of Noowby 175114		
Presence of Nearby Utility Conduits		•
Not Present	0	
Unknown	10	
Present	15	0

__20___

(Level II_Sensitivity)

Sensitivity Level I = 20 or more; total containment is required.
Sensitivity Level II = 15-19; lining is discretionary.
Sensitivity Level III = below 15; no specific lining is required.

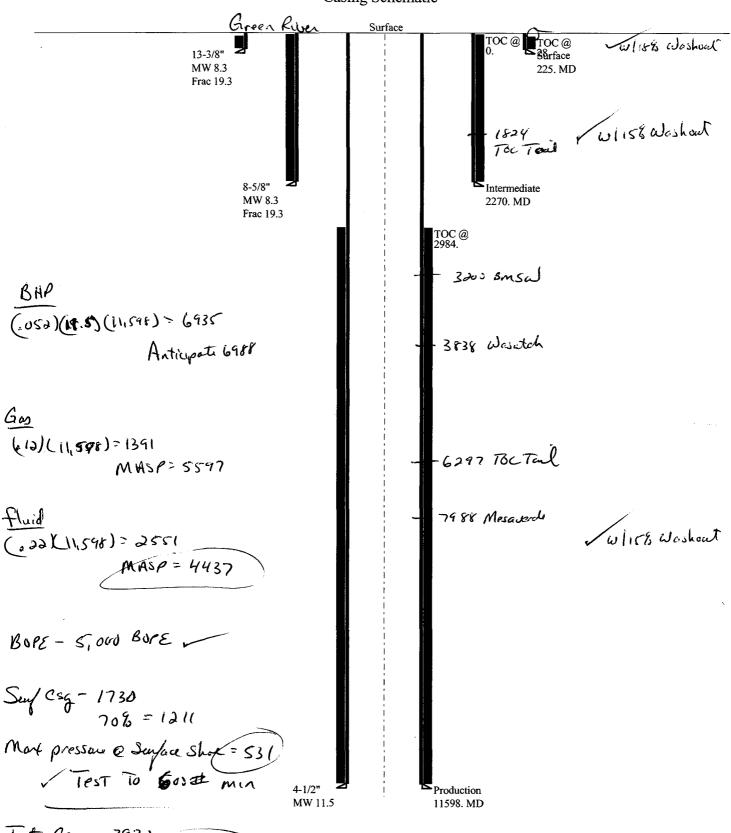
Final Score





90-05 Gasco Gate Cyn St 23-10-11-16

Casing Schematic



Jut Csg - 3930 708 = 2751

Mar Pressur@ Int Suc = 4936

Adequate Dus 10/14/05



10-05 Gasco Gate Cyn St 23-16-11-16

Operator:

Gasco Production Company

String type:

Surface

Project ID:

43-013-32888

Location:

Duchesne County, Utah

De	esign	parameters:
_	•••	

Collapse

Mud weight:

8.300 ppg Design is based on evacuated pipe.

Minimum design factors:

Collapse: Design factor

1.125

Environment:

H2S considered?

Surface temperature: 65 °F Bottom hole temperature: 68 °F

Temperature gradient:

1.40 °F/100ft

No

Minimum section length:

225 ft

Burst: Design factor

1.00

1.80 (J)

Cement top:

28 ft

Burst

Max anticipated surface

pressure:

-1 psi

Internal gradient: Calculated BHP

0.436 psi/ft 97 psi

No backup mud specified.

Tension:

8 Round STC:

8 Round LTC: 1.80 (J) 1.60 (J) **Buttress:** Premium:

1.50 (J) Body yield: 1.50 (B)

Tension is based on air weight. Neutral point: 198 ft Non-directional string.

Re subsequent strings:

Next setting depth: Next mud weight:

2,270 ft 8.300 ppg Next setting BHP: 979 psi Fracture mud wt:

Fracture depth: Injection pressure 19.250 ppg 225 ft 225 psi

Run Seq	Segment Length (ft)	Size (in)	Nominal Weight (lbs/ft)	Grade	End Finish	True Vert Depth (ft)	Measured Depth (ft)	Drift Diameter (in)	Internal Capacity (ft³)
1	225	13.375	48.00	H-40	ST&C	225	225	12.59	21.1
Run Seq	Collapse Load (psi)	Collapse Strength (psi)	Collapse Design Factor	Burst Load (psi)	Burst Strength (psi)	Burst Design Factor	Tension Load (Kips)	Tension Strength (Kips)	Tension Design Factor
1	97 ´	740	7.628	97	1730	17.83	11	322	29.81 J

Prepared

Clinton Dworshak

Utah Div. of Oil & Mining by:

Phone: (801) 538-5280 FAX: (801)359-3940

Date: October 4,2005 Salt Lake City, Utah

ENGINEERING STIPULATIONS -

Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.

Burst strength is not adjusted for tension.





Well name:

10-05 Gasco Gate Cyn St 23-16-11-16

Operator:

Gasco Production Company

Intermediate

Project ID:

String type:

43-013-32888

Environment:

Location:

Collapse

Duchesne County, Utah

Minimum design factors:

Collapse: Design factor

H2S considered?

No 65 °F

Mud weight: 8.300 ppg Design is based on evacuated pipe.

Surface temperature: Bottom hole temperature: Temperature gradient:

97 °F 1.40 °F/100ft

Minimum section length:

225 ft

Burst:

Design factor

1.00

1.125

Cement top:

Surface

Burst

Max anticipated surface

No backup mud specified.

pressure:

1,998 psi

Internal gradient: Calculated BHP

Design parameters:

0.120 psi/ft 2,270 psi

Tension:

8 Round STC:

1.80 (J)

1.80 (J)

8 Round LTC: Buttress: Premium:

1.60 (J) 1.50 (J) Body yield: 1.50 (B)

Tension is based on air weight. Neutral point: 1,990 ft

Non-directional string.

Re subsequent strings:

Next setting depth: Next mud weight:

11.598 ft 11.500 ppg

Next setting BHP: Fracture mud wt:

6,929 psi 19.250 ppg 2,270 ft

Fracture depth: Injection pressure 2,270 psi

Run Segment Nominal End True Vert Measured Drift Internal Length Seq Size Weight **Finish** Depth Grade Depth Diameter Capacity (ft) (in) (lbs/ft) (ft) (ft) (in) (ft³) 1 2270 8.625 32.00 J-55 ST&C 2270 2270 7.875 144.2 Run Collapse Collapse Collapse **Burst Burst** Burst Tension **Tension Tension** Seq Load Strength Design Load Strength Design Design Load Strength (psi) (psi) **Factor** (psi) (psi) **Factor** (Kips) (Kips) **Factor** 1 979 2530 2.585 2270 3930 1.73 73 372 5.12 J

Prepared

Clinton Dworshak

Utah Div. of Oil & Mining by:

Phone: (801) 538-5280 FAX: (801)359-3940

Date: October 4,2005 Salt Lake City, Utah

ENGINEERING STIPULATIONS -

Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.

Burst strength is not adjusted for tension.





Well name:

10-05 Gasco Gate Cyn St 23-16-11-16

Minimum design factors:

Operator:

Gasco Production Company

String type:

Production

Project ID:

43-013-32888

Location:

Duchesne County, Utah

Environment:

Collapse

Mud weight:

Design parameters:

Collapse: 11.500 ppg Design factor

1.125

H2S considered?

Surface temperature:

No 65 °F

Design is based on evacuated pipe.

Bottom hole temperature: Temperature gradient:

227 °F 1.40 °F/100ft

Minimum section length: 1,500 ft

Burst:

Design factor

1.00

Cement top:

2,984 ft

Burst

Max anticipated surface

No backup mud specified.

pressure:

1,868 psi

Internal gradient: Calculated BHP

0.436 psi/ft 6,928 psi

Tension:

8 Round STC: 8 Round LTC:

1.80 (J) 1.80 (J)

1.60 (J)

Buttress: Premium: Body yield:

1.50 (J) 1.50 (B)

Tension is based on air weight. Neutral point: 9.629 ft Non-directional string.

Run Segment Nominal End True Vert Measured Drift Internal Seq Length Size Weight Grade **Finish** Depth Depth Diameter Capacity (ft) (in) (lbs/ft) (ft) (ft) (in) (ft³) 1 11598 4.5 13.50 P-110 LT&C 11598 11598 3.795 308.9 Run Collapse Collapse Collapse **Burst** Burst **Burst Tension Tension Tension** Seq Load Strength Design Load Strength Design Load Strength Design (psi) (psi) **Factor** (psi) (psi) **Factor** (Kips) (Kips) Factor 1 6928 10680 1.541 6928 12410 1.79 157 338 2.16 J

Prepared

Clinton Dworshak

Utah Div. of Oil & Mining by:

Phone: (801) 538-5280

FAX: (801)359-3940

Date: October 4,2005 Salt Lake City, Utah

ENGINEERING STIPULATIONS -

Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.

Burst strength is not adjusted for tension.

United States Department of the Interior

BUREAU OF LAND MANAGEMENT

Utah State Office P.O. Box 45155 Salt Lake City, Utah 84145-0155

IN REPLY REFER TO: 3160 (UT-922)

September 9, 2005

Memorandum

To:

Assistant District Manager Minerals, Vernal District

From:

Michael Coulthard, Petroleum Engineer

Subject:

2005 Plan of Development Gate Canyon Unit, Duchesne

County, Utah.

Pursuant to email between Diana Whitney, Division of Oil, Gas and Mining, and Mickey Coulthard, Utah State Office, Bureau of Land Management, the following well is planned for calendar year 2005 within the Gate Canyon Unit, Duchesne County, Utah.

API#

WELL NAME

LOCATION

(Proposed PZ Blackhawk)

43-013-32888 Gate Canyon State 23-16-11-16 Sec 16 T11S R16E 1786 FSL 1890 FWL

This office has no objection to permitting the well at this time.

/s/ Michael L. Coulthard

bcc:

File - Gate Canyon Unit

Division of Oil Gas and Mining

Central Files Agr. Sec. Chron Fluid Chron

MCoulthard:mc:9-9-05

From:

Ed Bonner

To:

Whitney, Diana

Date:

10/19/2005 5:09:20 PM

Subject:

Well Clearance

The following wells have been given cultural resource clearance by the Trust Lands Cultural Resources Group:

Gasco Production Company Gate Canyon State 23-16-11-16

The Houston Exploration Company

East Bench 2-16-11-22

East Bench 4-16-11-22

East Bench 5-16-11-22

East Bench 6-16-11-22

East Bench 8-16-11-22

East Bench 9-16-11-22

East Bench 12-16-11-22

East Bench 13-16-11-22

East Bench 14-16-11-22 East Bench 16-16-11-22

Medallion Exploration

Atchee State 14-20-12-25

If you have any questions regarding this matter please give me a call.

CC:

Garrison, LaVonne; Hill, Brad; Hunt, Gil



State of Utah

Department of Natural Resources

MICHAEL R. STYLER Executive Director

Division of Oil, Gas & Mining

JOHN R. BAZA Division Director JON M. HUNTSMAN, JR. Governor

GARY R. HERBERT Lieutenant Governor

October 20, 2005

Gasco Production Company 8 Inverness Drive East, Suite 100 Englewood, CO 80112

Re:

Gate Canyon State 23-16-11-16 Well, 1786' FSL, 1890' FWL, NE SW, Sec. 16, T. 11 South, R. 16 East, Duchesne County, Utah

Gentlemen:

Pursuant to the provisions and requirements of Utah Code Ann. § 40-6-1 et seq., Utah Administrative Code R649-3-1 et seq., and the attached Conditions of Approval, approval to drill the referenced well is granted.

This approval shall expire one year from the above date unless substantial and continuous operation is underway, or a request for extension is made prior to the expiration date. The API identification number assigned to this well is 43-013-32888.

Sincerely,

Gil Hunt

Associate Director

pab Enclosures

cc:

Duchesne County Assessor

SITLA

Bureau of Land Management, Vernal District Office

Operator:	Gasco Production Company	
Well Name & Number	Gate Canyon State 23-16-11-16	
API Number:	43-013-32888	
Lease:	ML-46301	

Conditions of Annual

Conditions of Approval

T. <u>11 South</u>

R. 16 East

Sec. 16

1. General

Location: NE SW

Compliance with the requirements of Utah Admin. R. 649-1 *et seq.*, the Oil and Gas Conservation General Rules, and the applicable terms and provisions of the approved Application for Permit to Drill.

2. Notification Requirements

The operator is required to notify the Division of Oil, Gas and Mining of the following actions during drilling of this well:

- 24 hours prior to cementing or testing casing
- 24 hours prior to testing blowout prevention equipment
- 24 hours prior to spudding the well
- within 24 hours of any emergency changes made to the approved drilling program
- prior to commencing operations to plug and abandon the well

The following are Division of Oil, Gas and Mining contacts and their work telephone numbers (please leave a voice mail message if the person is not available to take the call):

- Dan Jarvis at (801) 538-5338
- Carol Daniels at (801) 538-5284 (spud)

3. Reporting Requirements

All required reports, forms and submittals will be promptly filed with the Division, including but not limited to the Entity Action Form (Form 6), Report of Water Encountered During Drilling (Form 7), Weekly Progress Reports for drilling and completion operations, and Sundry Notices and Reports on Wells requesting approval of change of plans or other operational actions.

- 4. Compliance with the State of Utah Antiquities Act forbids disturbance of archeological, historical, or paleontological remains. Should archeological, historical or paleontological remains be encountered during your operations, you are required to immediately suspend all operations and immediately inform the Trust Lands Administration and the Division of State History of the discovery of such remains.
- 5. Compliance with the Conditions of Approval/Application for Permit to Drill outlined in the Statement of Basis. (Copy Attached)

Page 2 43-013-32888 October 20, 2005

6. This proposed well is located in an area for which drilling units (well spacing patterns) have not been established through an order of the Board of Oil, Gas and Mining (the "Board"). In order to avoid the possibility of waste or injury to correlative rights, the operator is requested, once the well has been drilled, completed, and has produced, to analyze geological and engineering data generated therefrom, as well as any similar data from surrounding areas if available. As soon as is practicable after completion of its analysis, and if the analysis suggests an area larger than the quarter-quarter section upon which the well is located is being drained, the operator is requested to seek an appropriate order from the Board establishing drilling and spacing units in conformance with such analysis by filing a Request for Agency Action with the Board.





FORM 6

DEPARTMENT OF NATURAL RES	OURCES
DIVISION OF OIL, GAS AND	MINING

ENTITY ACTION FORM							
Operator:	Gasco Energy, Inc	Operator Account Number: N 2575					
Address:	8 Inverness Drive East, Suite 100	-					
	city Englewood	Phone Number: (303) 483-0044					

Well 1				800	Twp	Rng	County
AP! Number	Well	Name	QQ	2 Sec	IWP		
4301332888	Gate Canyon State 23-16-11-16		NESW	16	11	16	Duchesne
Action Code	Many Endike		S	Spud Date		Entity Assignment Effective Date	
Δ	99999	15098	1	2/14/20	05	12/	15/05
Comments: Spui	d Well BLKHK	_/_ =	CONF	IDEN	ITIAL	•	J

County Well 2 Rng Sec Twp QQ **Well Name API Number** Entity Assignment **Spud Date New Entity Current Entity Action Code Effective Date** Number Number Comments:

API Number	Weil Name		QQ	Sec	Twp	Rng	County
Action Code	Current Entity Number	New Entity Number		Spud Da	te	Entit El	ly Assignment fective Date
omments:		· · · · · · · · · · · · · · · · · · ·				1	

ACTION CODES:

- A Establish new entity for new well (single well only)
- B Add new well to existing entity (group or unit well)
- C Re-assign well from one existing entity to another existing entity
- D Re-assign well from one existing entity to a new entity
- E Other (Explain in 'comments' section)

Bevery	/ Walker
--------	----------

Engineering Technician

12/14/2005

Title

RECEIVED

DEC 1 5 2005



GASCO Energy, Inc.

8 Inverness Drive East Suite 100 Englewood, CO 80112 (303) 483-0044 www.gascoenergy.com

December 29, 2005

Utah Division of Oil & Gas Mining 1594 West North Temple, Suite 1210 Box 145801 Salt Lake City, Utah 84114-5801

Attn: Carol Daniels & Earlene Russell

RECEIVED
DEC 2 9 2005

DIV. OF OIL, GAS & MINING

TILS RIGE S-16 43-013-32888

Ladies,

A spud and a subsequent entity action form were sent in on the Gate Canyon State 23-16-11-15, this well has not ever been spud. The well that was spud was the Gate Canyon State 23-16-11-16. I apologize for the inconvenience that this has caused. Should you have any further questions please don't hesitate to call.

Sincerely,

Gasco Energy, Inc

Beverly Walker

Engineering Technician

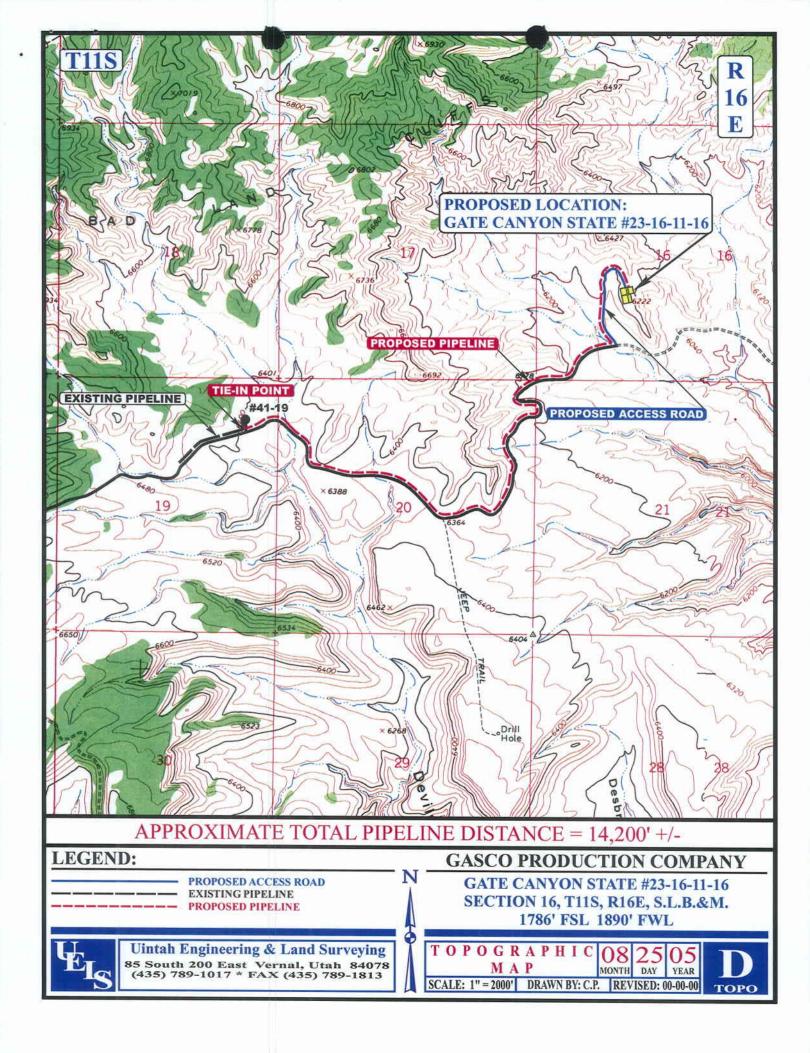
303-996-1835 (Direct)

ST OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS AND MINING

•)	A	-		-	A CONTRACTOR		March September 1970	
قي ق	1	4 V	ŧ.	كسية ا	£	3 2	+	ş	

6. Lease Designation and Serial Number

		ML-46301
SUNDRY NOTICES AND REPORT		7. Indian Allottee or Tribe Name N/A
Do not use this form for proposals to drill new wells, deepen existing wells, or		8. Unit or Communitization Agreement
Use APPLICATION FOR PERMIT for such	proposals	Gate Canyon
1. Type of Well		9. Well Name and Number
Oil Well Gas Well Other (specify)		Gate Canyon State #23-16-11-16
2. Name of Operator		10. API Well Number
Gasco Production Company		43-013-32888
Address of Operator	4. Telephone Number	11. Field and Pool, or Wildcat
8 Inverness Drive East, Suite #100, Englewood, CO 80112	303/483-0044	Gate Canyon
5. Location of Well		
Footage : 1786' FSL and 1890' FWL	County :	Duchesne
QQ, Sec, T., R., M. : NE SW Section 16, T11S - R16E	State :	Utah
12. CHECK APPROPRIATE BOXES TO INC	CATE NATURE OF NOTICE, REPO	ORT, OR OTHER DATA
NOTICE OF INTENT	SUBSEQU	JENT REPORT
(Submit in Duplicate)	(Submit Ori	ginal Form Only)
Abandonment New Construction	Abandonment *	New Construction
Casing Repair Pull or Alter Casing	Casing Repair	Pull or Alter Casing
Change of Plans Recompletion	Change of Plans	Shoot or Acidize
Conversion to Injection Shoot or Acidize	Conversion to Injection	Vent or Flare
Fracture Treat Vent or Flare	Fracture Treat	Water Shut-Off
Multiple Completion Water Shut-Off	Other	
X Other Construct Pipeline		
	Date of Work Completion	
Approximate Date Work Will Start		
	Report results of Multiple Completions and Rec on WELL COMPLETION OR RECOMPLETION	completions to different reservoirs NAND LOG form.
	 Must be accompanied by a cement ver 	rification report.
 DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertine locations and measured and true vertical depths for all markers and zones pertinent 	ent details, and give pertinent dates. If well is direction	nally drilled, give subsurface
Gasco proposes to construct the pipeline route as shown		The proposed well is leasted an State
Land in Section 16, T11S - R16E. The remainder of the pig	peline (approximately 10.030 feet) is lo	cated on BI M lands within the Gate
Canyon Unit. Gasco Production Company is the Unit Ope	erator of the Gate Canyon Unit.	oute on Dam lands within the date
Attached is a copy of the archeological report for the subj	ject well and pipeline.	
cc: Gasco Production Company - Englewood, CO		
Shawn Elworthy - Roosevelt, UT		
44 1 hands a stiff that Q c		
14. I hereby certify that the foregoing is true and correct.	Consultant	for
Name & Signature VINLY YUNO WOLKLY	Title Gasco Production	Company Date 05/04/06
(State Use Only)		
Accepted by the		
Utah Division of		RECEIVED
(8/90) Oil, Gas and Mining See Instr	ructions on Reverse Side	en e
For Record Only	actions on veverse side	
		DB/ OF OU DIE A THE







RECEIVED

JUL 3 1 2006

DIV. OF OIL, GAS & MINING

Division of Oil, Gas & Mining 1594 West North Temple, Suite 1210 Salt Lake City, UT 84114-5801

Attn: Carol Daniels

July 27, 2006

Dear Ms Daniels:

Gasco Production Company will soon be drilling the Gate Canyon State 23-16-11-16, NESW 16-11S-16E, Duchesne County, Utah. The API Number for this well is 43-047-32888.

Gasco wishes to keep all information on this well CONFIDENTIAL for as long a period as possible.

Yours truly,

Robin Dean

Geological Manager

Gasco Energy, Inc.



DAILY DRILLING REPORT

AFE # 40136

CONFIDENTIAL TIIS R 16E 5-16 43-013-32888

Well:	GCS 23-16	-11-16	Per.depth:	11598	Prog. de	pth: 11598	Date: 9/	15/20	06	Days			
	: Operatio		PRESSURE	TEST BO	OP .	 							
Depth:		Prog:		D Hrs:	·	AV ROP:		Format	ion:				
DMC:	\$0		TMC:		\$0		TDC:	\$3,6	685	CWC:	\$4	492,	143
Contracto	r: Fro	ntier Drilli	ng Rig 6	Mud Co:	M-I Drlg. F	luids	TANGIBL	E COST		INT	ANGIBLE	cos	π
MW:		#1 F-1	1000 3.5 gpm	Bit #:			Conductor:	\$		Loc,Cost:		\$	-
VIS:		SPM:		Size:			Surf. Csg:	\$	-	Rig Move:		\$	-
PV/YP:		#2 F-1	1000 3.5 gpm	Туре:			Int. Csg:	\$	_	Day Rate:	٠	\$	
Gel:		SPM:		MFG:			Prod Csg:	\$	-	Rental Tools:		\$	500
WL:		GPM:		S/N:			Float Equp:	\$	_	Trucking:		\$	-
Cake:		Press:		Jets:			Well Head:	\$	-	Water:		\$	-
Solids:		AV DC:		TD Out:			TBG/Rods:	\$	-	Fuel:		\$	_
Sand:		AV DP:		Depth In:		<u> </u>	Packers:	\$	-	Mud Logger:		\$	_
PH:		JetVel:		FTG:			Tanks:	\$	-	Logging:		\$	-
Pf/Mf:		ECD:		Hrs:		<u></u>	Separator:	\$	-	Cement:		\$	_
Chlor:		SPR #1 :		FPH:			Heater:	\$	-	Bits:		\$	
Ca:		SPR #2 :		WOB:		ļ	Pumping L/T:	\$	-	Mud Motors:		\$	_
Dapp ppb:		8tm.Up:		R-RPM:		ļ	Prime Mover:	\$	-	Corrosion:		\$	•
Tin	ne Break Do	wn:	Total D.T.	M-RPM:	1770		Misc:	\$	-	Consultant:		\$	950
START	END	TIME		Total	Rot. Hrs:		Daily Total:	\$	-	Drilling Mud:		\$	
06:00	20:00	14:00	RIGGING UP	- CHOKE	MAN. GAS	BUSTER & F	LOW LINE	,		Misc. / Labor	<u> </u>	\$	2,235
20:00	06:00	10:00	PRESSURE 1	EST BOR	, CHOKE ,	KELLY & ALL	LINES TO 50	00 psi		Csg. Crew:		\$	
			ANNULAR TO	2500 psi	AND CSG.	TO 1500 psi				Daily Total	:	\$	3,685
										Cum. Wtr:		\$	14,388
				GETTIN	G READY T	O PICK UP B	HA & D.P.			Cum. Fuel		\$	29,671
										Cum. Bits:		\$	-
			NOTI	FIED STA	TE & BLM -	TEST WAS N	NOT WITNESS	SED			BHA	ſ	
													 -
						· · · · · · · · · · · · · · · · · · ·							
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					···					<u> </u>			
					<i>"</i>	·				<u> </u>			
							DEAEN						
							RECEIV	/ED		TOTAL BH	A =		0.00
							SEP 1 5 2)UUC		Survey		_	
		24.00		<u>.</u>				-000		Survey			
P/U K# LITH:						DIV	OF OIL, GAS	& MINII	₩G	BKG GAS			
S/O	K#	<u> </u>	FLARE:							CONN GA			
ROT.	K#	!	LAST CSG.RA	N:	8 5/8"	SET @	3484'			PEAK GAS	3		
FUEL	Used:		On Hand:			Co.Man	S.L.SEELY			TRIP GAS			



DAILY DRILLING REPORT

CONFIDENTIAL TIIS R 16E S-16 43-013-32889

AFE # 40136

Well: C	GCS 23-16	-11-16	Per.depth:	11598	Prog. de	pth: 11598	Date:	9/16/20	06	Days		1	
Current:	Operatio	ns:	DRLG.										
Depth:	3512'	Prog:	128	D Hrs:	3 1/2	AV ROP:	36.6	Format	ion:		UINTA	H	
DMC:	\$12,3	375	TMC:		\$12,375	5	TDC:	\$40	567	CWC:			
Contractor	: Fro	ntier Drillir	ng Rig 6	Mud Co:	M-I Drlg. F	luids	TANG	BLE COST		INT	ANGIBLE	cos	iΤ
MW:	8.4	#1 T-1	000 3.5 gpm	Bit #:	#1		Conductor:	\$	-	Loc,Cost:		\$	-
VIS:	28	SPM:		Size:	7 7/8"		Surf. Csg:	\$	-	Rig Move:		\$	
PV/YP:		#2 T-1	1000 3.5 gpm	Туре:	DSX 516		Int. Csg:	\$	-	Day Rate:		\$	18,500
Gel:		SPM:	120	MFG:	HYC		Prod Csg:	\$	-	Rental Tools:		\$	1,500
WL:		GPM :	420	S/N:	115093		Float Equp:	\$		Trucking:		\$	
Cake:		Press:	1300	Jets:	7 - 16s		Well Head:	\$	_	Water:		\$	-
Solids:		AV DC:		TD Out:			TBG/Rods:	\$	-	Fuel:		\$	-
Sand:		AV DP:		Depth In:	3512'		Packers:	\$	-	Mud Logger:		\$	1,000
PH:	9.4	JetVel:		FTG:	128		Tanks:	\$	-	Logging:		\$	-
Pf/Mf:	2/7.4	ECD:		Hrs:	3.5		Separator:	\$	-	Cement:		\$	-
Chlor:	1300	SPR #1 :		FPH:	36.6		Heater:	\$	_	Bits:		\$	-
Ca:	40	SPR #2 :		WOB:	5 - 15		Pumping L/T:		-	Mud Motors:		\$	2,000
Dapp ppb:	5.4	Btm.Up:		R-RPM:	45		Prime Mover:	_	-	Corrosion:		\$	-
	e Break Do	·	Total D.T.	M-RPM:	92		Misc:	\$	-	Consultant:		\$	950
START	END	TIME		Tota	Rot. Hrs:	3.5	Daily Total:	\$	-	Drilling Mud:		\$	12,375
06:00	09:30	3:30	RIG DOWN T	ESTERS	& INSTALL \	WEAR BUSHI	NG			Misc. / Labor	:	\$	4,242
09:30	21:30	12:00	STRAP AND							Csg. Crew:		\$	-
21:30	22:00	0:30	TAG CMT. @							Daily Total	:	\$	40,567
22:00	02:30	4:30	DRILL CMT. 8							Cum. Wtr:		\$	14,388
02:30	06:00	3:30	DRLG. F/3512						_	Cum. Fuel		\$	29,671
02:00										Cum. Bits:		\$	-
											ВНА		
										PDC Bit	7 7/8"		1.00
										.22 Motor	6 1/2"		35.54
										IBS	7 7/8"		6.56
										1 - DC	6 1/2"		31.09
						RFC	EIVED			IBS	7 7/8"		6.51
			· · · · · · · · · · · · · · · · · · ·							20 - DC	6 1/2"		623.20
		<u> </u>				SEP	1 9 2006						-
		 											
		<u> </u>				DIV. OF OIL,	gas & Minii	VG					
										TOTAL BH	A =		703.90
	-									Survey			
		24.00								Survey	T		
D/U	<u>. </u>		LITH:					ur		BKG GAS		· · · ·	
P/U	K#		FLARE:							CONN GA	s		
S/O					8 5/8"	SET @	3484'		_	PEAK GAS			
ROT.	K#		LAST CSG.RA	MT:	0 9/6	Co.Man	S.L.SEELY	,		TRIP GAS			
FUEL	Used:		On Hand:	-		CO.Man	J.L.JEEL1	1		11311 373	_		



DAILY DRILLING REPORT

CONFIDENTIAL TIIS RIGE 5-16 43-013-32888

AFE # 40136

Well: C	GCS 23-16	5-11-16	Per.depth:	11598	Prog. de	pth: 11598	Date:	9/17/200)6	Days since	spud:		2
Current	: Operatio	ns:	DRLG.										
Depth:	4687'	Prog:	1047	D Hrs:	21 1/2	AV ROP:	48.7	Formati	on:		Wasato	:h	
DMC:	\$15	53	TMC:		\$12,528	3	TDC:	\$24,	203	cwc:	\$5	556,	913
Contractor	r: Fro	ontier Drilli	ng Rig 6	Mud Co:	M-I Drlg. F	luids	TANG	IBLE COST		INT	ANGIBLE	cos	т
MW:	8.4	#1 T-1	1000 3.5 gpm	Bit #:	# 1		Conductor:	\$	-	Loc,Cost:		\$	-
VIS:	28	SPM:		Size:	7 7/8"		Surf. Csg:	\$	-	Rig Move:		\$	_
PV/YP:	0/1	#2 T-	1000 3.5 gpm	Туре:	DSX 516		Int. Csg:	\$	-	Day Rate:		\$	18,500
Gel:	1/1	SPM:	120	MFG:	HYC		Prod Csg:	\$	-	Rental Tools:		\$	1,500
WL:	n/c	GPM:	420	S/N:	115093		Float Equp:	\$	-	Trucking:		\$	_
Cake:	n/a	Press:	1300	Jets:	7 - 16s		Well Head:	\$	-	Water:		\$	-
Solids:	0	AV DC:	404	TD Out:			TBG/Rods:	\$		Fuel:		\$	-
Sand:	0	AV DP:	229	Depth In:	3512'		Packers:	\$	-	Mud Logger:		\$	1,000
PH:	9.4	JetVel:	89	FTG:	1175		Tanks:	\$	-	Logging:		\$	
Pf/Mf:	1.5/8.5	ECD:		Hrs:	25		Separator:	\$	-	Cement:		\$	
Chlor:	1300	SPR #1 :		FPH:	47.0		Heater:	\$	-	Bits:	·	\$	-
Ca:	40	SPR #2 :		w ов:	15 - 20		Pumping L/1	г: \$	-	Mud Motors:		\$	2,000
Dapp ppb:	5.4	Btm.Up:	16	R-RPM:	50		Prime Move	r: \$		Corrosion:		\$	100
Tim	ne Break Do	wn:	Total D.T.	M-RPM:	92		Misc:	\$	-	Consultant:		\$	950
START	END	TIME		Tota	l Rot. Hrs:	25.0	Daily Total:	\$		Drilling Mud:		\$	153
06:00	10:00	4:00	DRLG. F/364	0' T/ <u>3</u> 798'	158' 39.5 f	oh				Misc. / Labor	:	\$	_
10:00	11:00	1:00	SURVEY MIS	S RUN						Csg. Crew:		\$	-
11:00	14:30	3:30	DRLG. F/379	8' T/3893'	95' 27.1 fpl	h	***			Daily Total	:	\$	24,203
14:30	15:00	0:30	SURVEY@3	3805' 5.5°)					Cum. Wtr:		\$	14,388
15:00	15:30	0:30	RIG SERVICI	E						Cum. Fuel		\$	29,671
15:30	23:30	8:00	DRLG. F/389	3' T/4370'	477' 59.6 f	ph				Cum. Bits:		\$	-
23:30	24:00	0:30	SURVEY @ 4	1294' 5.0°)						ВНА		
24:00	06:00	6:00	DRLG. F/437	0' T/4687'	317' 52.8 f	ph				PDC Bit	7 7/8"		1.00
										.22 Motor	6 1/2"		35.54
	- 111									IBS	7 7/8"		6.56
										1 - DC	6 1/2"		31.09
										IBS	7 7/8"		6.51
						DEC				20 - DC	6 1/2"		623.20
						MEC	EIVED						
						SEP	1 9 2006						
						DIV. OF OIL,	GAS & MINI	NG		TOTAL BH	 A =		703.90
					· · · · · · · · · · · · · · · · · · ·	J	- 10 G 11/11			Survey	5 1/2		3805'
		24.00								Survey	5		4294'
P/U	155 K#		LITH:	70% SH -	- 25% SD - 5%	6 SLTST				BKG GAS			15
S/O	145 K#		FLARE:	None						CONN GAS	S		72
ROT.	150 K#		LAST CSG.RA		8 5/8"	SET @	3484'			PEAK GAS			72
FUEL	Used:	696	On Hand:		4640	Co.Man	S.L.SEEL	Y		TRIP GAS			



DAILY DRILLING REPORT

TIIS R 16E S-16 43-013-32888

AFE # 40136

Well: 0	GCS 23-16	5-11-16	Per.depth:	11598	Prog. de	pth: 11598	Date:	9/18/20	06	Days sinc	e spud:	}	3
Current	: Operatio	ns:	DRLG.										
Depth:	5733'	Prog:	1046	D Hrs:	22	AV ROP:	47.5	Forma	tion:		Wasat	ch	
DMC:	\$1,4	83	TMC:		\$14,012	2	TDC:	\$26	,073	CWC:	\$	582	,986
Contracto	r: Fro	ontier Drilli	ng Rig 6	Mud Co:	M-I Drlg. F	luids	TANGI	BLE COST	Г	ГИІ	ANGIBLE	COS	ST.
MW:	8.4	#1 T-	1000 3.5 gpm	Bit #:	#1		Conductor:	\$	-	Loc,Cost:		\$	-
VIS:	28	SPM:		Size:	7 7/8"		Surf. Csg:	\$	-	Rig Move:		\$	-
PV/YP:	0/1	#2 T-	1000 3.5 gpm	Туре:	DSX 516		Int. Csg:	\$	-	Day Rate:		\$	18,500
Gel:	1/1	SPM:	120	MFG:	HYC		Prod Csg:	\$	-	Rental Tools		\$	1,500
WL:	n/c	GPM:	420	S/N:	115093		Float Equp:	\$	-	Trucking:		\$	-
Cake:	n/a	Press:	1300	Jets:	7 - 16s		Well Head:	\$	-	Water:		\$	-
Solids:	1	AV DC:	404	TD Out:			TBG/Rods:	\$	-	Fuel:		\$	-
Sand:	0	AV DP:	229	Depth In:	3512'		Packers:	\$	_	Mud Logger:		\$	1,000
PH :	8.5	JetVel:	89	FTG:	2221		Tanks:	\$	-	Logging:		\$	_
Pf/Mf:	1.6/8.8	ECD:	9	Hrs:	47		Separator:	\$	-	Cement:		\$	-
Chlor:	1300	SPR #1 :	550 @ 52 spm	FPH:	47.3		Heater:	\$	-	Bits:		\$	_
Ca:	40	SPR #2 :	550 @ 52 spm	WOB:	15 - 20		Pumping L/T:	\$	-	Mud Motors:		\$	2,000
Dapp ppb:	5.5	Btm.Up:	22	R-RPM:	50		Prime Mover:	\$	-	Corrosion:		\$	100
Tim	ne Break Do	wn:	Total D.T.	M-RPM:	92		Misc:	\$	-	Consultant:		\$	950
START	END	TIME		Total	Rot. Hrs:	47.0	Daily Total:	\$	•	Drilling Mud:		\$	1,483
06:00	10:00	4:00	DRLG. F/4687	7' T/4878'	191' 47.8 fp	h				Misc. / Labor	:	\$	540
10:00	10:30	0:30	RIG SERVICE	& FUNC	TION TEST	BOPs				Csg. Crew:		\$	-
10:30	11:00	0:30	SURVEY @ 4	806' 4°					_	Daily Total	:	\$	26,073
11:00	22:30	11:30	DRLG. F/4878	3' T/5383'	505' 43.9 fp	h				Cum. Wtr:		\$	14,388
22:30	23:30	1:00	SURVEY @ 5	307' 3.25	; o					Cum. Fuel		\$	29,671
23:30	06:00	6:30	DRLG. F/5383	3' T/5733'	350' 53.8 fp	h				Cum. Bits:		\$	-
											ВНА		
										PDC Bit	7 7/8"		1.00
										.22 Motor	6 1/2"		35.54
										IBS	7 7/8"		6.56
										1 - DC	6 1/2"		31.09
										IBS	7 7/8"		6.51
						DEC				20 - DC	6 1/2"		623.20
						nec.	EIVED						
						SEP	1 9 2006						
						DIV OF OIL	GAS & MINI	NG		TOTAL BH	<u> </u>		703.90
						DIVIO 012,	CAO & MINI	ii G		Survey	4		4806'
		24.00								Survey	3 1/4		5307'
B/II	175 V#		l ITU.	75% CLI	20% SD 5%	SI TST IS				BKG GAS	J 1/-4		15
P/U	175 K#		LITH:	_	20% SD - 5%	<u>JLIJI</u>				CONN GAS			24
S/O	165 K#		FLARE:	None None	0 E/0"	SET &	3484'			PEAK GAS			440
ROT.	170 K#		LAST CSG.RA		8 5/8" 3828	SET @ Co.Man	S.L.SEELY			TRIP GAS	·		770
FUEL	Used:	812	On Hand:	<u> </u>	JUZU	CO.Maii	J.L.JEEL1			INIF GAS			



DAILY DRILLING REPORT

CONFIDENTIAL TUS R16E S-16 43-013-32888

AFE # 40136

Well: G	GCS 23-16	5-11-16	Per.depth:	11598	Prog. de	oth: 11598	Date:	9/19/20	06	Days sinc	e spud	4
Current:	Operation	ns:	DRLG									
Depth:		Prog:	923	D Hrs:	22 1/2	AV ROP:	41.0	Forma	tion:		Wasatch	1
DMC:	\$1,7		TMC:		\$15,717		TDC:	\$45	,582	CWC:	\$62	28,568
Contractor	: Fro	ontier Drilli	ng Rig 6	Mud Co:	M-I Drlg. F	luids	TANG	BLE COST	•	INT	ANGIBLE C	OST
MW:	8.4	#1 T-1	1000 3.5 gpm	Bit #:	# 1		Conductor:	\$	-	Loc,Cost:		\$ <u>-</u>
VIS:	28	SPM:		Size:	7 7/8"		Surf. Csg:	\$	-	Rig Move:		\$ <u>-</u>
PV/YP:	0/1	#2 T-	1000 3.5 gpm	Туре:	DSX 516		Int. Csg:	\$	-	Day Rate:		\$ 18,500
Gel:	1/1	SPM:	120	MFG:	HYC		Prod Csg:	\$	-	Rental Tools:		\$ 1,500
WL:	n/c	GPM:	420	S/N:	115093		Float Equp:	\$	-	Trucking:		\$ <u>-</u>
Cake:	n/a	Press:	1300	Jets:	7 - 16s		Well Head:	\$	-	Water:		<u> - </u>
Solids:	1	AV DC:	404	TD Out:			TBG/Rods:	\$	-	Fuel:		\$ 19,827
Sand:	0	AV DP:	229	Depth In:	3512'		Packers:	\$		Mud Logger:		\$ 1,000
PH:	9.0	JetVel:	89	FTG:	3144		Tanks:	\$	-	Logging:		<u> - </u>
Pf/Mf:	1.2/7.2	ECD:	9	Hrs:	69.5		Separator:	\$	_	Cement:		\$ <u>-</u>
Chlor:	1300	SPR #1 :	550 @ 52 spm	FPH:	45.2		Heater:	\$	-	Bits:		<u> -</u>
Ca:	100	SPR #2 :	550 @ 52 spm	WOB:	15 - 20		Pumping L/T	: \$		Mud Motors:		\$ 2,000
Dapp ppb:	5	Btm.Up:	27	R-RPM:	50		Prime Mover	: \$	-	Corrosion:		\$ 100
Tim	e Break Do	wn:	Total D.T.	M-RPM:	92		Misc:	\$	-	Consultant:		\$ 950
START	END	TIME		Tota	Rot. Hrs:	69.5	Daily Total:	\$	-	Drilling Mud:		\$ 1,705
06:00	08:00	2:00	DRLG. F/5733	3' T/5892'	159' 79.5 fp	oh				Misc. / Labor	<u>:</u>	<u> </u>
08:00	08:30	0:30	SURVEY @ 5	816' 3 1/	4°					Csg. Crew:		<u> </u>
08:30	15:00	6:30	DRLG. F/5892	2' T/6179'	287' 44.2 fp	oh				Daily Total	:	\$ 45,582
15:00	15:30	0:30	RIG SERVICE	& FUNC	TION TEST	BOPs				Cum. Wtr:		\$ 14,388
15:30	20:00	4:30	DRLG. F/6179	9' T/6402'	223' 49.6 fg	oh				Cum. Fuel		\$ 49,498
20:00	20:30	0:30	SURVEY @ 6	326' 3 1/	4°					Cum. Bits:	···	\$ -
20:30	06:00	9:30	DRLG. F/6402	2' T/6656'	254' 26.7 fj	oh					BHA	
										PDC Bit	7 7/8"	1.00
			· · · · · · · · · · · · · · · · · · ·							.22 Motor	6 1/2"	35.54
							#- " -			IBS	7 7/8"	6.56
										1 - DC	6 1/2"	31.09
										IBS	7 7/8"	6.51
						DEC!	EIVED			20 - DC	6 1/2"	623.20
						TILO					\longmapsto	
						SEP 1	9 2006				ļļ.	
										<u></u>		
						DIV. OF OIL, (GAS & MININ	IG		TOTAL BH	T	703.90
										Survey	3 1/4	5892'
		24.00	<u> </u>					<u> </u>		Survey	3 1/4	6326'
P/U	195 K#	*	LITH:	80% SH -	15% SD - 5%	SLTST				BKG GAS		14
S/O	170 K#	#	FLARE:	None						CONN GA	<u> </u>	110
					SET @	3484'			PEAK GAS		110	
FUEL	Used:	815	On Hand:		9628	Co.Man	S.L.SEEL	<u> </u>		TRIP GAS		



DAILY DRILLING REPORT

AFE # 40136

CONFIDENTIAL TILS RIGE 5-16 43-013-32888

Well: 0	GCS 23-16	-11-16	Per.depth:	11598	Prog. de	oth: 11598	Date:	9/20/2006	Days since	spud:	5
	Operatio		DRLG.				****				
Depth:		Prog:		D Hrs:	23	AV ROP:	24.3	Formation:	,	Wasatch	
DMC:	\$2,1		TMC:		\$17,864		TDC:	\$26,799	CWC:	\$65	5,367
Contractor		ntier Drillir	ng Rig 6	Mud Co:	M-I Drig. F	luids	TANG	IBLE COST	INTA	ANGIBLE C	OST
MW:	8.4		1000 3.5 gpm	Bit #:	# 1		Conductor:	\$ -	Loc,Cost:		-
VIS:	28	SPM:	-	Size:	7 7/8"		Surf. Csg:	\$ -	Rig Move:		-
PV/YP:	0/1	#2 T-1	1000 3.5 gpm	Туре:	DSX 516		int. Csg:	\$ -	Day Rate:		18,500
Gel:	1/1	SPM:	120	MFG:	HYC		Prod Csg:	\$ -	Rental Tools:		1,500
WL:	n/c	GPM:	420	S/N:	115093		Float Equp:	\$ -	Trucking:		-
Cake:	n/a	Press:	1300	Jets:	7 - 16s		Well Head:	\$ -	Water:		603
Solids:	1	AV DC:	404	TD Out:			TBG/Rods:	\$ -	Fuel:		-
Sand:	0	AV DP:	229	Depth in:	3512'		Packers:	\$ -	Mud Logger:		1,000
PH :	9.1	JetVel:	89	FTG:	3703		Tanks:	\$ -	Logging:		<u>-</u>
Pf/Mf:	1.2/7.2	ECD:	9	Hrs:	92.5		Separator:	\$ -	Cement:		-
Chlor:	1300	SPR #1 :	550 @ 52 spm	FPH:	40.0		Heater:	\$ -	Bits:		<u>-</u>
Ca:	40	SPR #2 :	550 @ 52 spm	WOB:	15 - 20		Pumping L/	г: \$ -	Mud Motors:		2,000
Dapp ppb:	5.5	Btm.Up:	30	R-RPM:	50		Prime Move	r: \$ -	Corrosion:		100
Tim	ne Break Do	wn:	Total D.T.	M-RPM:	92		Misc:	\$ -	Consultant:		950
START	END	TIME		Tota	l Rot. Hrs:	92.5	Daily Total:	\$ -	Drilling Mud:		\$ 2,146
06:00	15:00	9:00	DRLG. F/6656	6' T/6909'	253' 28.1 ft	oh			Misc. / Labor:		\$ -
15:00	15:30	0:30	SURVEY@6	833' 3°					Csg. Crew:		\$ -
15:30	16:00	0:30	RIG SERVICE	& FUNC	TION TEST	BOPs			Daily Total:		\$ 26,799
16:00	06:00	14:00	DRLG. F/6909	9' T/7215'	306' 21.9 f	ph			Cum. Wtr:		\$ 14,991
-"									Cum. Fuel		\$ 49,498
									Cum. Bits:		<u> </u>
						<u> </u>			<u> </u>	BHA	
									PDC Bit	7 7/8"	1.00
									.22 Motor	6 1/2"	35.54
								<u> </u>	IBS	7 7/8"	6.56
									1 - DC	6 1/2"	31.09
									IBS	7 7/8"	6.51
						RECEI	VED_		20 - DC	6 1/2"	623.20
						SEP 2 5	2000			\longrightarrow	
								<u> </u>			
					DI	OF OIL, GAS	& MINING				·
									TOTAL BH	T - T	703.90
									Survey	3	6833'
		24.00							Survey		
P/U	205 K#	ŧ	LITH:	80% SH -	- 15% SD - 5%	SLTST			BKG GAS		20
S/O	185 K#	ŧ	FLARE:	None					CONN GAS	<u> </u>	87
ROT.	195 K#	‡	LAST CSG.RAN: 8 5/8" SET @				3484'		PEAK GAS		87
FUEL	Used:	812	On Hand:		8816	Co.Man	S.L.SEEL	Y	TRIP GAS		



DAILY DRILLING REPORT

CONFIDENTIAL TILS RIGE 5-16 43-013-32888

AFE # 40136

Well: 0	GCS 23-16	-11-16	Per.depth:	11598	Prog. de	oth: 11598	Date:	9/21/20	06	Days since	spud:		6
	Operatio		DRLG.				-						
Depth:		Prog:		D Hrs:	23 1/2	AV ROP:	16.7	Format	ion:		Wasato	h	
DMC:	\$1,5		TMC:		\$19,417		TDC:	\$36,	162	CWC:	\$6	S91,	529
Contractor	r: Fro	ntier Drilli	ng Rig 6	Mud Co:	M-I Drlg. F	luids	TANG	IBLE COST		INT	ANGIBLE	cos	т
MW:	8.4	#1 T-1	1000 3.5 gpm	Bit #:	# 1		Conductor:	\$		Loc,Cost:		\$	-
VIS:	28	SPM:		Size:	7 7/8"		Surf. Csg:	\$	-	Rig Move:		\$	-
PV/YP:	0/1	#2 T-	1000 3.5 gpm	Туре:	DSX 516		Int. Csg:	\$		Day Rate:		\$	18,500
Gel:	1/1	SPM:	120	MFG:	HYC		Prod Csg:	\$	-	Rental Tools:		\$	1,500
WL:	n/c	GPM:	420	S/N:	115093		Float Equp:	\$	-	Trucking:	·	\$	
Cake:	n/a	Press:	1300	Jets:	7 - 16s		Well Head:	\$	_	Water:		\$	
Solids:	1	AV DC:	404	TD Out:			TBG/Rods:	\$	_	Fuel:		\$	-
Sand:	0	AV DP:	229	Depth In:	3512'		Packers:	\$	-	Mud Logger:		\$	1,000
PH :	9.1	JetVel:	89	FTG:	4096		Tanks:	\$	-	Logging:		\$	
Pf/Mf:	1.1/6.8	ECD:	9	Hrs:	116_		Separator:	\$		Cement:		\$	
Chlor:	1300	SPR #1 :	550 @ 52 spm	FPH:	35.3		Heater:	\$		Bits:		\$	-
Ca:	100	SPR #2 :	550 @ 52 spm	WOB:	15 - 20		Pumping L/1		-	Mud Motors:		\$	2,000
Dapp ppb:	5.8	Btm.Up:	32	R-RPM:	50		Prime Move		-	Corrosion:		\$	100
Tim	e Break Do	wn:	Total D.T.	M-RPM:	92		Misc:	\$	-	Consultant:		\$	950
START	END	TIME		Total	Rot. Hrs:		Daily Total:	\$	-	Drilling Mud:		\$	1,552
06:00	16:30	10:30	DRLG. F/7215	5' T/7316'	101' 9.6 fpt	<u> </u>				Misc. / Labor	:	\$	10,560
16:30	17:00	0:30	RIG SERVICE	& FUNC	TION TEST	BOPs				Csg. Crew:	 	\$	
17:00	06:00	13:00	DRLG. F/7315	5' T/7608'	293' 22.5 fp	<u>oh</u>				Daily Total	:	\$	36,162
										Cum. Wtr:		<u>\$</u>	14,991
		ļ								Cum. Fuel		\$	49,498
	<u> </u>									Cum. Bits:		\$	-
							 -				BHA	<u>~</u>	
										PDC Bit	7 7/8"		1.00
										.22 Motor	6 1/2"		35.54
		ļ								IBS	7 7/8"		6.56
										1 - DC	6 1/2"		31.09
				4		RECEI	VED_			IBS	7 7/8"		6.51
		<u> </u>				SEP 2 5	אחול			20 - DC	6 1/2"		623.20
						OE1 7 7	2000			 	\vdash		
						V. OF OIL, GAS	& MINING			├	+		
		<u> </u>				,				TOTAL BH		l	703.90
		 									IA -		703.50
										Survey	 		
		24.00	<u> </u>							Survey	<u> </u>		
P/U	215 K#		LITH:		10% SD - 5%	SLTST				BKG GAS			20
S/O	195 K#	!	FLARE:	None			3484'			CONN GAS			55
ROT.	205 K#			LAST CSG.RAN: 8 5/8" SET @						PEAK GAS			55
FUEL.	Used:	1044	On Hand:		7772	Co.Man	S.L.SEEL	<u>Y</u>		TRIP GAS			



DAILY DRILLING REPORT

CONFIDENTIAL TIIS RIGE 5-16 43-013-32888

AFE # 40136

Well: G	GCS 23-16	-11-16	Per.depth:	11598	Prog. de	oth: 11737	Date:	9/22/20	006	Days since	spud:		7
Current:	: Operatio	ns:	DRLG.										
Depth:	7830'	Prog:	222	D Hrs:	10 1/2	AV ROP:	21.1	Forma	ition:		Wasato	h	
DMC:	\$1,4	43	TMC:		\$20,860		TDC:	\$38	3,598	CWC:	\$7	730,	127
Contractor	r: Fro	ntier Drillir	ng Rig 6	Mud Co:	M-I Drlg. Fl	uids	TANG	BLE COS	T	INT	ANGIBLE	cos	T
MW:	8.4	#1 T-1	000 3.5 gpm	Bit #:	# 1	#2	Conductor:	\$	-	Loc,Cost:		\$	_
VIS:	28	SPM:		Size:	7 7/8"	7 7/8"	Surf. Csg:	\$	-	Rig Move:		\$	
PV/YP:	0/1	#2 T-1	000 3.5 gpm	Type:	DSX 516	HC 506 Z	Int. Csg:	\$	-	Day Rate:		\$_	18,500
Gel:	1/1	SPM:	120	MFG:	HYC	HTC	Prod Csg:	\$	-	Rental Tools:		\$	1,700
WL:	n/c	GPM :	420	S/N:	115093	7106218	Float Equp:	\$	-	Trucking:		\$	-
Cake:	n/a	Press:	1300	Jets:	7 - 16s	6 - 16s	Well Head:	\$	-	Water:		\$	
Solids:	1	AV DC:	404	TD Out:	7624		TBG/Rods:	\$	-	Fuel:		\$	
Sand:	0	AV DP:	229	Depth In:	3512'	7624	Packers:	\$_		Mud Logger:		\$	1,000
PH:	9.0	JetVel:	89	FTG:	4112	206	Tanks:	\$	-	Logging:	·	\$	
Pf/Mf:	1/6.4	ECD:	9	Hrs:	118.5	8	Separator:	\$	-	Cement:		\$	
Chlor:	1300	SPR #1 :	550 @ 52 spm	FPH:	34.7	25.8	Heater:	\$	-	Bits:		\$	10,280
Ca:	100	SPR #2 :	550 @ 52 spm	WOB:	15 - 20	15 - 20	Pumping L/1	г: \$	-	Mud Motors:		\$	2,000
Dapp ppb:	5.4	Btm.Up:		R-RPM:	50	50	Prime Move	r: \$	-	Corrosion:		\$	100
Tim	ne Break Do	wn:	Total D.T.	M-RPM:	92	67	Misc:	\$	-	Consultant:		\$	950
START	END	TIME		Tota	l Rot. Hrs:	126.5	Daily Total:	\$	-	Drilling Mud:		\$	1,443
06:00	08:30	2:30	DRLG. F/7608	3' T/7624'	16' 6.4 fph					Misc. / Labor	:	\$	2,625
08:30	10:00	1:30	PUMP SWEE	P, DROP	SURVEY &	PUMP PILL				Csg. Crew:		\$	
10:00	15:00	5:00	TRIP OUT FO	R BIT # 2	2 - FIRST ST	D. OUT TIGH	T			Daily Total): 	\$	38,598
15:00	16:00	1:00	CHANGE MO	TOR AND	BIT - FUNC	TION TEST E	BOPs			Cum. Wtr:		\$	14,991
16:00	21:00	5:00	TRIP IN HOLE	E - NO TI	GHT HOLE					Cum. Fuel		\$	49,498
21:00	22:00	1:00	WASH 90' TO	BTM.						Cum. Bits:		\$	10,280
22:00	06:00	8:00	DRLG. F/7624	4' T/7830'	206' 25.8 fp	oh					ВНА		
										PDC Bit	7 7/8"		1.00
								- 		.16 Motor	6 1/2"		33.75
							18.15			IBS	7 7/8"		6.56
										1 - DC	6 1/2"		31.09
										IBS	7 7/8"		6.51
					F	ECEIVE	ED			20 - DC	6 1/2"		623.20
						SEP 2 5 200	·						
						JET 2 J 20(JU				<u> </u>		
					Divi O	FOIL GAS & A	MINING			<u> </u>			
										TOTAL BH	IA =	,	702.11
										Survey	2°		7548'
		24.00								Survey			
P/U	220 K#		LITH:	60% SH -	- 35% SD - 5%	SLTST				BKG GAS			22
s/O	200 K#		FLARE:	None						CONN GA	S		14
ROT.	210 K#	- "-	LAST CSG.RA		8 5/8"	SET @	3484'			PEAK GAS	3		30
FUEL	Used:	812							TRIP GAS			20	



DAILY DRILLING REPORT

CONFIDENTIAL TIISRIGE 3-16 43-013-32888

AFE # 40136

Well: G	CS 23-16	-11-16	Per.depth:	11598	Prog. de	pth: 11737	Date:	9/23/2006	5	Days since	spud:		8
	Operatio		DRLG.										
Depth:		Prog:	415	D Hrs:	23 1/2	AV ROP:	17.7	Formation	n:		/lesave	rde	
DMC:	\$3,7		TMC:		\$24,635		TDC:	\$36,3	59	CWC:	\$7	766,	486
Contractor	: Fro	ntier Drillir	ng Rig 6	Mud Co:	M-I Drlg. F	luids	TANG	BLE COST		INT	ANGIBLE	cos	Τ
MW:	8.9	#1 T-1	000 3.5 gpm	Bit #:	#2		Conductor:	\$ -		Loc,Cost:		\$	_
VIS:	33	SPM:		Size:	7 7/8"		Surf. Csg:	\$ -		Rig Move:		\$	-
PV/YP:	4/2	#2 T-1	000 3.5 gpm	Туре:	HC 506 Z		Int. Csg:	\$ -		Day Rate:		\$	18,500
Gel:	1/3	SPM:	120	MFG:	HTC		Prod Csg:	\$	-	Rental Tools:		\$	1,700
WL:	20	GPM:	420	S/N:	7106218		Float Equp:	\$ -		Trucking:		\$	
Cake:	1	Press:	1300	Jets:	6 - 16s		Well Head:	\$ -		Water:		\$_	
Solids:	2	AV DC:	404	TD Out:			TBG/Rods:	\$ -		Fuel:		\$	
Sand:	Tr.	AV DP:	229	Depth In:	7624		Packers:	\$ -		Mud Logger:		\$	1,000
PH :	9.0	JetVel:	89	FTG:	621		Tanks:	\$ -		Logging:	- 47	\$	-
Pf/Mf:	1.2/7.2	ECD:	9	Hrs:	31.5		Separator:	\$ -		Cement:		\$	-
Chlor:	1300	SPR #1 :	550 @ 52 spm	FPH:	19.7		Heater:	\$ -		Bits:		\$_	
Ca:	100	SPR #2 :	550 @ 52 spm	WOB:	15 - 20		Pumping L/T			Mud Motors:		\$	2,000
Dapp ppb:	5.4	Btm.Up:	36	R-RPM:	50		Prime Mover	· · ·	•	Corrosion:		\$	100
Tim	e Break Do	wn:	Total D.T.	M-RPM:	67		Misc:	\$ -	•	Consultant:		\$	950
START	END	TIME		Tota	Rot. Hrs:	150.0	Daily Total:	\$	-	Drilling Mud:		\$	3,775
06:00	17:00	11:00	DRLG. F/7830	D' T/8117'	287' 26.1 fg	oh				Misc. / Labor	:	\$	8,334
17:00	17:30	0:30	RIG SERVICE	& FUNC	TION TEST	BOPs				Csg. Crew:		\$	-
17:30	06:00	12:30	DRLG. F/8117	7' T/8245'	128' 10.2 fg	oh				Daily Total	:	\$	36,359
										Cum. Wtr:		\$	14,991
										Cum. Fuel		\$	49,498
										Cum. Bits:		<u>\$</u>	10,280
										<u> </u>	BHA		
										PDC Bit	7 7/8"		1.00
										.16_Motor	6 1/2"		33.75
						RECEIV	ED			IBS	7 7/8"		6.56
						TO OF A	000			1 - DC	6 1/2"		31.09
						SEP : 5 2	JU6			IBS	7 7/8"	_	6.51
					În.	Ul UIL, GAS &	EMINUMIC			20 - DC	6 1/2"		623.20
					O!Y	OF OIL, GAS &	MILLALLA,				ļ	<u> </u>	
							···			-	 		
											<u> </u>	L	
				S	TARTED TO	MUD UP @ 8	3000'			TOTAL BI	IA =	ľ	702.11
										Survey	 		·····
		24.00								Survey	<u> </u>	l	
P/U	220 K#	<u> </u>	LITH:	5% SH -	90% SD - 5%	SLTST				BKG GAS	. <u> </u>		16
S/O	200 K#	<u> </u>	FLARE:							CONN GA			78
ROT.	210 K#	<u> </u>	LAST CSG.RAN: 8 5/8" SET @ 3484' PEAK GAS						126				
FUEL	Used:	1276	On Hand:		5684	Co.Man	S.L.SEEL	Υ		TRIP GAS			



DAILY DRILLING REPORT

CONFIDENTIAL TIISRIGE 5-16 43-013-32888

AFE # 40136

Well: 0	GCS 23-16	6-11-16	Per.depth:	11598	Prog. de	oth: 11737	Date:	9/24/200	06	Days since	spud:		9
Current:	: Operatio	ns:	DRLG.										
Depth:	<u> </u>	Prog:	200	D Hrs:	23 1/2	AV ROP:	8.5	Format	lon:	, N	<i>l</i> lesaver	de	
DMC:	\$8,1		TMC:		\$32,769		TDC:	\$33,	292	CWC:	\$7	'99 ,	778
Contractor	r: Fro	ontier Drilli	ng Rig 6	Mud Co:	M-I Drlg. F	luids	TANG	IBLE COST		INT	ANGIBLE	cos	r
MW:	8.7		1000 3.5 gpm	Bit #:	# 2		Conductor:	\$	-	Loc,Cost:		\$	
vis:	39	SPM:		Size:	7 7/8"		Surf. Csg:	\$	-	Rig Move:		\$	-
PV/YP:	8/16	#2 T-1	1000 3.5 gpm	Туре:	HC 506 Z		Int. Csg:	\$	-	Day Rate:		\$	18,500
Gel:	8/32	SPM:	120	MFG:	HTC		Prod Csg:	\$	-	Rental Tools:		\$	1,700
WL:	16	GPM:	420	S/N:	7106218		Float Equp:	\$	-	Trucking:		\$	909
Cake:	1	Press:	1300	Jets:	6 - 16s		Well Head:	\$	-	Water:		\$	
Solids:	3	AV DC:	404	TD Out:			TBG/Rods:	\$	-	Fuel:		\$	
Sand:	Tr	AV DP:	229	Depth in:	7624		Packers:	\$	-	Mud Logger:		\$	1,000
PH:	9.0	JetVel:	89	FTG:	821		Tanks:	\$	-	Logging:		\$	
Pf/Mf:	.85/5.0	ECD:	9	Hrs:	55		Separator:	\$	-	Cement:		\$	
Chlor:	1300	SPR #1 :	550 @ 52 spm	FPH:	14.9		Heater:	\$	-	Bits:		\$	-
Ca:	100	SPR #2 :	550 @ 52 spm	WOB:	15 - 20		Pumping L/T	: \$		Mud Motors:		\$	2,000
Dapp ppb:	5	Btm.Up:	38	R-RPM:	50		Prime Mover	: \$	-	Corrosion:		\$	100
Tim	e Break Do	wn:	Total D.T.	M-RPM:	67		Misc:	\$	-	Consultant:		\$	950
START	END	TIME		Tota	Rot. Hrs:	173.5	Daily Total:	\$	•	Drilling Mud:		\$	8,133
06:00	15:00	9:00	DRLG. F/8245	5' T/8309'	64' 7.1					Misc. / Labor:		\$	
15:00	15:30	0:30	RIG SERVICE	& FUNC	TION TEST	BOPs				Csg. Crew:		\$	-
15:30	06:00	14:30	DRLG. F/8309	9' T/8445'	136' 9.4					Daily Total	:	\$	33,292
										Cum. Wtr:		\$	14,991
										Cum. Fuel		\$	49,498
										Cum. Bits:		\$	10,280
											BHA		
										PDC Bit	7 7/8"		1.00
										.16 Motor	6 1/2"		33.75
										IBS	7 7/8"		6.56
						···				1 - DC	6 1/2"		31.09
						DECEN	/ED-			IBS	7 7/8"		6.51
						RECEN	v E D			20 - DC	6 1/2"		623.20
						SEP 7 F	2006			<u> </u>			
													
						OIL, GAS	& MINING		_				
						<u></u>				TOTAL BH	A =		702.11
										Survey			
		24.00								Survey			
P/U	220 K#	¥	LITH:	35% SH	- 60% SD - 5%	SLTST				BKG GAS			20
S/O	200 K	#	FLARE:	None						CONN GAS	<u> </u>		25
ROT.	210 K#	#	LAST CSG.RAN: 8 5/8" SET @ 3484'					PEAK GAS	<u> </u>		45		
FUEL	Used:	815	On Hand:		4869	Co.Man	S.L.SEEL	Υ		TRIP GAS			



GASCO ENERGY DAILY DRILLING REPORT

CONFIDENTIAL TILS RIGE 3-16 43-013-32868

AFE # 40136

Well: 0	Well: GCS 23-16-11-16 Per.dep				Prog. de	pth: 11737	Date:	9/25/20	06	Days since	e spud:		10
Current	: Operatio	ns:	DRLG.										
Depth:	8660'	Prog:	215	D Hrs:	13 1/2	AV ROP:	15.9	Forma	tion:		Mesave	rde	
DMC:	\$4,7		TMC:		\$37,474		TDC:	\$28	,955	CWC:	\$	828,	733
Contractor	r: Fro	ntier Drilli	ng Rig 6	Mud Co:	M-I Drlg. F	luids	TANG	IBLE COST		INT	ANGIBLE	cos	त
MW:	9.8	#1 T-1	1000 3.5 gpm	Bit #:	#2	# 3	Conductor:	\$	_	Loc,Cost:		\$_	_
VIS:	40	SPM:		Size:	7 7/8"	7 7/8"	Surf. Csg:	\$	-	Rig Move:		\$	-
PV/YP:	11/14	#2 T-	1000 3.5 gpm	Туре:	HC 506 Z	HC 506 Z	Int. Csg:	\$	_	Day Rate:	i.e	\$	18,500
Gel:	13/32	SPM:	120	MFG:	HTC	HTC	Prod Csg:	\$	-	Rental Tools		\$_	1,700
WL:	11.5	GPM:	420	S/N:	7106218	7108571	Float Equp:	\$	-	Trucking:		\$	-
Cake:	1	Press:	1300	Jets:	6 - 16s	6 - 16s	Well Head:	\$	-	Water:		\$	-
Solids:	5	AV DC:	404	TD Out:	8466		TBG/Rods:	\$		Fuel:		\$	•
Sand:	Tr	AV DP:	229	Depth In:	7624	8466	Packers:	\$	_	Mud Logger:		\$_	1,000
PH:	9.0	JetVel:	89	FTG:	842	194	Tanks:	\$	-	Logging:		\$	-
Pf/Mf:	.75/4.5	ECD:	9	Hrs:	61	7.5	Separator:	\$	-	Cement:		\$	-
Chlor:	1300	SPR #1 :	550 @ 52 spm	FPH:	13.8	25.9	Heater:	\$	-	Bits:		\$	-
Ca:	100	SPR #2 :	550 @ 52 spm	WOB:	15 - 30	15 - 30	Pumping L/T	: \$	-	Mud Motors:		\$	2,000
Dapp ppb:	5	Btm.Up:	38	R-RPM:	50	50	Prime Mover	: \$	-	Corrosion:		\$	100
Tim	e Break Do	wn:	Total D.T.	M-RPM:	67	55	Misc:	\$	-	Consultant:		\$	950
START	END	TIME		Total	Rot. Hrs:	187.0	Daily Total:	\$	-	Drilling Mud:		\$	4,705
06:00	12:00	6:00	DRLG. F/844	5' T/8466'	21' 3.5 fph					Misc. / Labor	:	\$	-
12:00	12:30	0:30	DROP SURV	EY & PUN	IP PILL					Csg. Crew:		\$	-
12:30	17:00	4:30	TRIP OUT FO	R BIT#3	3 - NO TIGHT	T HOLE				Daily Total	l:	\$	28,955
17:00	18:00	1:00	RIG SERVICE	& FUNC	TION TEST	BOPs				Cum. Wtr:		\$	14,991
18:00	22:30	4:30	TRIP IN WITH	1.13 MOT	TOR .					Cum. Fuel		\$	49,498
22:30	06:00	7:30	DRLG. F/8460	6' T/8660'	194' 25.9 fp	oh				Cum. Bits:	***	\$	10,280
:											ВНА		
										PDC Bit	7 7/8"		1.00
										.13 Motor	6 1/2"		33.75
										IBS	7 7/8"		6.56
										1 - DC	6 1/2"		31.09
										IBS	7 7/8"	<u> </u>	6.51
						RECE	<u>AFD</u>			20 - DC	6 1/2"		623.20
						SEP 2 5	2006						
						<u> </u>	2000						
				<u> </u>	17	IV OF LIL GA	S & MINING						
										TOTAL BH	IA =		702.11
										Survey	1°		8390'
		24.00								Survey			
P/U	230 K#	!	LITH:	3525% SI	H - 6070% SD	- 5% SLTST				BKG GAS			10
s/o	200 K#		FLARE:	None						CONN GA	S		16
ROT.	215 K#		LAST CSG.RA	N:	8 5/8"	SET @	3484'			PEAK GAS	3		70
FUEL	Used:	229	On Hand:		4640	Co.Man	S.L.SEEL	Y		TRIP GAS			20



DAILY DRILLING REPORT

AFE # 40136

CONFIDENTIAL TIS RIGE SIG 43-013-32888 GPS N 40° 00.435' W 109° 49.510'

							·				_	
Well: 6	CS 23-16	-11-16	Per.depth:	11598	Prog. der	oth: 11737	Date:	9/26/2006	Days since	spud:		11
Current:	Operation	ns:	DRLG.									
Depth:	9377'	Prog:	717	D Hrs:	23 1/2	AV ROP:	30.5	Formation:	N	lesaverd	le_	
OMC:	\$2,6	23	TMC:		\$40,097	•	TDC:	\$44,248	CWC:	\$8	72,	381
Contractor	: Fro	ontier Drilli	ng Rig 6	Mud Co:	M-I Drlg. Fl	uids	TANG	IBLE COST	INT	NGIBLE C	OST	
ww:	9.1	#1 T-	1000 3.5 gpm	Bit #:	# 3		Conductor:	\$ -	Loc,Cost:		\$	
/IS:	42	SPM:		Size:	7 7/8"		Surf. Csg:	\$ -	Rig Move:		\$	
V/YP:	11/17	#2 T-	1000 3.5 gpm	Type:	HC 506 Z		int. Csg:	\$ -	Day Rate:		\$	18,500
Gel:	14/33	SPM:	120	MFG:	HTC		Prod Csg:	\$ -	Rental Tools:		\$	1,700
NL:	11	GPM:	420	S/N:	7108571		Float Equp:	\$ -	Trucking:		\$	
Cake:	1	Press:	1300	Jets:	6 - 16s		Well Head:	\$ -	Water:		\$	
Solids:	5	AV DC:	404	TD Out:			TBG/Rods:	\$ -	Fuel:		\$	11,952
Sand:	Tr	AV DP:	229	Depth In:	8466		Packers:	\$ -	Mud Logger:		\$	1,000
PH:	9.0	JetVel:	89	FTG:	911		Tanks:	\$ -	Logging:		\$	
Pf/Mf:	.7/5.8	ECD:	9	Hrs:	31		Separator:	\$ -	Cement:		\$	
Chlor:	1300	SPR #1 :	550 @ 45 spm		29.4		Heater:	\$ -	Bits:		\$	
Ca:	100	SPR #2:	550 @ 45 spm	_	15 - 20		Pumping L/T		Mud Motors:		\$	2,000
Dapp ppb:	5.2	Btm.Up:	41	R-RPM:	50		Prime Mover		Corrosion:		\$	100
	e Break Do	<u> </u>	Total D.T.	M-RPM:	55		Misc:	\$ -	Consultant:		\$	950
START	END	TIME	1	Total	l Rot. Hrs:	210.5	Daily Total:	\$ -	Drilling Mud:		\$	2,623
06:00	16:00	10:00	DRLG. F/8660	0' T/9072'	412' 41.2 fp	h			Misc. / Labor:		\$	5,423
16:00	16:30	0:30	RIG SERVICE						Csg. Crew:		\$	
16:30	06:00	13:30	DRLG. F/907						Daily Total:		\$	44,248
									Cum. Wtr:		\$	14,99
			1						Cum. Fuel		\$	61,450
		1				····			Cum. Bits:		\$	10,28
							<u> </u>			ВНА		
									PDC Bit	7 7/8"		1.0
								<u> </u>	.13 Motor	6 1/2"		33.7
-								· · · · · · · · · · · · · · · · · · ·	IBS	7 7/8"		6.5
		-							1 - DC	6 1/2"		31.0
									IBS	7 7/8"		6.5
					R	ECEIVE	D		20 - DC	6 1/2"		623.2
				· · · · · · · · · · · · · · · · · · ·								
	<u> </u>					SEP 2 6 200	6					
		 -				- 01- 040 0 1	AIAIIMG					
		 			DIV. O	FOIL, GAS & N	ATTAIN 2		TOTAL BH	 A =		702.
									Survey			
		24.00	 						Survey			
24.00				10% SH	- 85% SD - 5%	SLITST			BKG GAS			28
			10% 501	- 33 /0 311 - 3/0	<u> </u>			CONN GAS			75	
	040.14		ELADE:	None						•		
P/U S/O ROT.	210 K#		FLARE:	None	8 5/8"	SET @	3484'		PEAK GAS			165



DAILY DRILLING REPORT

AFE # 40136

CONFIDENTIAL TIB RIGE 5-16 43-013-32888

		44.40	Donalou4ho	44500	Drog do	-4b. 44727	Date:	9/27/2	006	Days since	enud		12
	CS 23-16		Per.depth: DRLG.	11596	Prog. de	pth: 11737	Date.	312112	.000	Pays since	s spau.		
	Operatio 9689'		312	D Hrs:	23 1/2	AV ROP:	13.3	Form	nation:	N	/lesaver	de	
Depth: DMC:	9009 \$1,0	Prog:	TMC:	D HIS:	\$41,196	<u> </u>	TDC:		4,219	cwc:			200
		ntier Drilli		Mud Co:	M-I Drlg. F		-	IBLE CO			ANGIBLE		
Contractor				Bit #:	#3		Conductor:	\$	_	Loc,Cost:		\$	_
MW: VIS:	9.1 43	#1 1-1 SPM:	1000 3.5 gpm	Size:	7 7/8"		Surf. Csg:	\$		Rig Move:		\$	-
t	11/16		1000 3.5 gpm	Type:	HC 506 Z		Int. Csg:	\$	-	Day Rate:		\$	18,500
PV/YP: Gel:		SPM:	120	MFG:	HTC		Prod Csg:	\$	-	Rental Tools:		\$	1,700
	12.2	GPM:	420	S/N:	7108571		Float Equp:	\$	4,089	Trucking:		\$	603
WL:	12.2		1300	Jets:	6 - 16s		Well Head:	\$	2,844	Water:		\$	6,368
Cake:	6	Press: AV DC:	404	TD Out:	0 - 103		TBG/Rods:	\$	-	Fuel:		\$	-
Solids:	Tr	AV DC:	229	Depth In:	8466		Packers:	\$	_	Mud Logger:		\$	1,000
Sand:	9.0		89	FTG:	1223		Tanks:	\$		Logging:		\$	-
PH :	.6/5.1	JetVel:	9	Hrs:	54.5		Separator:	\$	_	Cement:		\$	
Pf/Mf:		ECD:			22.4		Heater:	_		Bits:		\$	_
Chlor:	1300	SPR #1 :	550 @ 45 spm		15 - 20		Pumping L/1		_	Mud Motors:		\$	2,000
Ca:	100 5.2	SPR #2 : Btm.Up:	550 @ 45 spm 48	R-RPM:	50		Prime Move			Corrosion:		\$	100
Dapp ppb:	e Break Do		Total D.T.	M-RPM:	55		Misc:	\$	_	Consultant:		\$	950
	END	TIME	Total D.T.		Rot. Hrs:	233.5	Daily Total:	<u> </u>	6,933	Drilling Mud:		\$	1,098
START	13:30	7:30	DRLG. F/9377	<u> </u>		<u> </u>	pany roan	<u> </u>	•,	Misc. / Labor		\$	4,967
06:00 13:30	14:00	0:30	RIG SERVICE			****				Csg. Crew:		\$	
14:00	06:00	16:00	DRLG. F/948			-				Daily Total	:	\$	44,219
14.00	00.00	10.00	DIVEO: 17040	3 170000	201 (2.0.)					Cum. Wtr:		\$	21,359
					·					Cum. Fuel	***	\$	61,450
***		<u> </u>				· · · · · · · · · · · · · · · · · · ·				Cum. Bits:		\$	10,280
			,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,								ВНА		
										PDC Bit	7 7/8"		1.00
										.13 Motor	6 1/2"		33.75
		 	· · · · · · · · · · · · · · · · · · ·							IBS	7 7/8"		6.56
		 								1 - DC	6 1/2"		31.09
		 								IBS	7 7/8"		6.51
		 				RECE	IVED			20 - DC	6 1/2"		623.20
	ļ	ļ	 							<u> </u>	- ·- <u>-</u>		
	<u> </u>	 		SEP 2 7 2006									
	<u> </u>	 	DIV OF OIL GAS & MINING						· · ·				
			DIV. OF OIL, GAS & MINING							TOTAL BH	IA =		702.11
		-											
		24 00								Survey			
D/II	245 1/4	<u> </u>	LITH:	45% SH -	- 50% SD - 5%	SLTST - Tr Co	OAL						27
					30,000 - 07						s		135
					2 F/R"	SFT @	3484'						135
								Y					
P/U S/O ROT. FUEL	245 K# 215 K# 230 K# Used:	ł	LITH: FLARE: LAST CSG.RA On Hand:	None N:	- 50% SD - 5% 8 5/8" 5684	SET @ Co.Man	0AL 3484' S.L.SEEL	Y		Survey Survey BKG GAS CONN GA PEAK GAS TRIP GAS	3		



DAILY DRILLING REPORT

TUS RIGE S-16 43-013-32888

AFE # 40136

Gel: 9/30 SPN: 120 MFG: HTC HTC Prod Cag: \$ - Rental Tools: \$ 1,700 MFG: 15.2 GPM: 420 S.N: 7108571 7106545 Float Equp: \$ - Trucking: \$ - Cake: 1 Press: 1300 Jets: 6 - 16s 6 - 16 Well Head: \$ - Water: \$ - Solids: 4 AV DC: 404 To Dut: 9696 TBG/Rods: \$ - Fuel: \$ - Sand: Tr AV DP: 229 Depth in: 8466 9696 Packers: \$ - Mud Logger: \$ 1,000 PH: 9.0 Jetve: 89 FTG: 1230 84 Tanks: \$ - Logging: \$ - PHMF: 4/3.4 ECD: 9 Hrs: 56.5 8 Separator: \$ - Cament: \$ - Chlor: 2000 SPR R1: 550 @ 45 Spm PPH: 21.8 10.5 Heater: \$ - Bits: \$ 8.500 Ca: 120 SPR R2: 550 @ 45 Spm PPH: 21.8 10.5 Heater: \$ - Bits: \$ 8.500 Ca: 120 SPR R2: 550 @ 45 Spm PPH: 50 55 Pumping LT: \$ - Mud Motors: \$ 2,000 Time Break Down: Total D.T. Ma-RPM: 55 55 Misc: \$ - Corresion: \$ 100 Time Break Down: Total D.T. Ma-RPM: 55 55 Misc: \$ - Corresion: \$ 100 DROP SURVEY & PUMP PILL Cag. Crew: \$ - Daily Total: \$ - Drilling Mud: \$ 1,626 Cag. Crew: \$ - Daily Total: \$ - Drilling Mud: \$ 1,626 Cag. Crew: \$ - Daily Total: \$ - Dail	Well: 0	GCS 23-16	Per.depth:	11598	Prog. de	pth: 11737	Date:	9/28/20	006	Days sinc	e spud:		13	
DMG: \$1,626 TMC: \$42,822 TDC: \$34,376 CWC: \$951,576	Current	: Operatio	ns:	DRLG.										
DMC: \$1,626 TMC: \$42,822 TDC: \$34,376 CWC: \$951,576			T	91	D Hrs:	10	AV ROP:	9.1	Forma	ation:		Mesave	rde	
MW: 9.4 #17-1000 3.5 gpm Bit #: #3 #4 Conductor: \$ - Loc_Cost: \$ VIS: 41 sPM: SPM: SIze: 77/8" 77/8" Surf. Cag: \$ - Rig Move: \$ PVYPP: 10/15 #27-1000 3.5 gpm Type: HC 506 Z HC 509 Z Int. Cag: \$ - Day Rate: \$ 18,500 Cost: \$ Gel: 9/30 SPM: 120 MRG: HTC HTC Prod Cag: \$ - Day Rate: \$ 18,500 Cost: \$ - Rig Move: \$ 1,700 MR: 15.2 GPM: 420 SM: 7108571 7106545 Float Equp: \$ - Trucking: \$ - Trucking: \$ - Solida: 4 AV DC: 404 TO Out: 96596 TBG/Rode: \$ - Fuel: \$ - Solida: 4 AV DC: 404 TO Out: 96596 TBG/Rode: \$ - Fuel: \$ - Solida: 4 AV DC: 404 TO Out: 96596 TBG/Rode: \$ - Fuel: \$ - Solida: 4 AV DC: 404 TO Out: 96596 TBG/Rode: \$ - Fuel: \$ - Solida: 4 AV DC: 404 TO Out: 96596 TBG/Rode: \$ - Fuel: \$ - Solida: 4 AV DC: 404 TO Out: 96596 TBG/Rode: \$ - Fuel: \$ - Solida: 4 AV DC: 404 TO Out: 96596 TBG/Rode: \$ - Fuel: \$ - Solida: 4 AV DC: 404 TO Out: 96596 TBG/Rode: \$ - Fuel: \$ - Solida: 4 AV DC: 404 TO Out: 96596 TBG/Rode: \$ - Fuel: \$ - Solida: 5 - Fuel: \$ - Solida: 4 AV DC: 404 TO Out: 96596 TBG/Rode: \$ - Fuel: \$ - Solida: 5 - Fuel: 5 - Solida: 5 - Fuel: 5 - Solida: 5 - Fuel: 5 - Communication 5 - Fuel: 5 - Fu				TMC:		\$42,822	2	TDC:	\$34	1,376	cwc:	\$!	951,	,576
VIS: 41 SPM: Size: 7 7/8" 7 7/8" Surf. Cag: \$ - Rig Move: \$ - PV/PP: 10/15 #2 7 1000 3.5 gpm Type: HC 506 Z HC 509 Z Int. Cag: \$ - Dey Rate: \$ 18,500 Med: \$ 1,700 Med: \$ 1,70	Contractor	r: Fro	ontier Drilli	ing Rig 6	Mud Co:	M-I Drig. F	luids	TANG	IBLE COS	T	INT	TANGIBLE	cos	iΤ
PVMPP	MW:	9.4	#1 T-	1000 3.5 gpm	Bit #:	#3	# 4	Conductor:	\$	-	Loc,Cost:		\$	-
Gel: 9/30 SPM: 120 MFG: HTC HTC Prod Cag: \$ - Rental Tools: \$ 1,700 ML: 15.2 GPM: 420 S/N: 7108571 7108545 Float Equp: \$ - Trucking: \$ - Cake: 1 Press: 1300 Jets: 6 - 16s 6 - 16 Well Head: \$ - Water: \$ - Solids: 4 AV DC: 404 Tools: 9696 TBG/Rods: \$ - Fuel: \$ - Water: \$ - Solids: 4 AV DC: 404 Tools: 9696 TBG/Rods: \$ - Fuel: \$ - Water: \$ - Solids: 4 AV DC: 404 Tools: 9696 TBG/Rods: \$ - Fuel: \$ - Water: \$ - Solids: 4 AV DC: 404 Tools: 9696 TBG/Rods: \$ - Fuel: \$ - Water: \$	VIS:	41	SPM:	¥	Size:	7 7/8"	7 7/8"	Surf. Csg:	\$	-	Rig Move:	"	\$	-
Williams	PV/YP:	10/15	#2 T-	1000 3.5 gpm	Туре:	HC 506 Z	HC 509 Z	Int. Csg:	\$	-	Day Rate:		\$	18,500
Cake: 1 Press: 1300 Jets: 6 - 16s 6 - 16 Well Head: \$ - Water: \$ Solids: 4 AV DC: 404 TD Out: 9696 TBG/Rods: \$ - Fuel: \$ Sand: Tr AV DP: 229 Depth In: 8466 9696 Packers: \$ - Mud Logger: \$ 1,000 PH: 9.0 JetVel: 89 FtG: 1230 84 Tanks: \$ - Logging: \$ - PVMM: 4/3.4 ECD: 9 Hrs: 56.5 8 Separator: \$ - Cement: \$ - Coment: \$	Gel:	9/30	SPM:	120	MFG:	нтс	нтс	Prod Csg:	\$	-	Rental Tools	:	\$	1,700
Solids: 4 AV DC: 404 TD Out: 9696 TBG/Rods: \$ - Fuel: \$	WL:	15.2	GPM:	420	S/N:	7108571	7106545	Float Equp:	\$	-	Trucking:		\$	•
Sand: Tr AV DP: 229 Depth In: 8466 9696 Packers: \$ - Mud Logger: \$ 1,000 PH : 9.0 JetVel: 89 FTG: 1230 84 Tanks: \$ - Logging: \$ Chlor: 2000 SPR #1: 550 @ 45 spm PH* 21.8 10.5 Heater: \$ - Bits: \$ 8,500 Ca: 120 SPR #2: 550 @ 45 spm PWOB: 15 - 20 15 - 25 Pumping L/T: \$ - Mud Motors: \$ 2,000 Dapp ppbb: 2.8 Btm.Up: 49 R-RPM: 50 50 Prime Mover: \$ - Correction: \$ 100 Time Break Down: Total D.T. M-RPM: 55 55 Mise: \$ - Correction: \$ 100 \$TART END Time M-RPM: 55 55 Mise: \$ - Correction: \$ 100 \$1000 08:00 2:00 DRLG. F/9689* T/9696* 7' 3.5 fph Mise: \$ - Drilling Mud: \$ 1,626 \$0:00 14:00 <	Cake:	1	Press:	1300	Jets:	6 - 16s	6 - 16	Well Head:	\$	-	Water:		\$	
PH	Solids:	4	AV DC:	404	TD Out:	9696		TBG/Rods:	\$	-	Fuel:		\$	-
Pl/Mf:	Sand:	Tr	AV DP:	229	Depth In:	8466	9696	Packers:	\$	-	Mud Logger:		\$	1,000
Chlor: 2000 SPR #1: 550 @ 45 Spm FPH: 21.8 10.5 Heater: \$ - Bits: \$ 8,500	PH:	9.0	JetVel:	89	FTG:	1230	84	Tanks:	\$	-	Logging:		\$	-
Chlor: 2000 SPR #1: 550 @ 45 Spm FPH: 21.8 10.5 Heater: \$ - Bits: \$ 8,500 Ca: 120 SPR #2: 550 @ 45 Spm WOB: 15 - 20 15 - 25 Pumping LT: \$ - Mud Motors: \$ 2,000 Dapp ppb: 2.8 Btm.Up: 49 R-RPM: 50 50 Prime Mover: \$ - Corrosion: \$ 100 Time Break Down: Total D.T. M-RPM: 55 55 Misc: \$ - Consultant: \$ 950 START END TiME Total D.T. M-RPM: 55 55 Misc: \$ - Drilling Mud: \$ 1,626 06:00 08:00 2:00 DRLG. F/9689' T/9696' 7' 3.5 fph Misc. / Labor: \$ 09:00 14:00 5:00 TRIP OUT FOR BIT - NO TIGHT HOLE Daily Total: \$ 34,376 16:00 18:00 2:00 CHANGE BIT & MOTOR AND RUN IN BHA Cum. Wtr: \$ 21,355 18:00 21:30 3:30 TRIP IN HOLE Cum. Bits: \$ 18,780 22:00 06:00 8:00 DRLG. F/9696' T/9780' 84' 10.5 fph PDC Bit 7 7/8" 6.5 RECEIVED 20 - DC 6 1/2" 33.7 SEP 2 8 2006 SEP	Pf/Mf:	.4/3.4	ECD:	9	Hrs:	56.5	8	Separator:	\$	_	Cement:		\$	-
Ca : 120 SPR #2 : 550 @ 45 spm WOB: 15 - 20 15 - 25 Pumpling L/T: \$ - Mud Motors: \$ 2,000 Dapp ppb: 2.8 Btm.Up: 49 R-RPM: 50 50 Prime Mover: \$ - Corrosion: \$ 100 Time Break Down: Total D.T. M-RPM: 55 55 Misc: \$ - Consultant: \$ 950 START END TIME Total D.T. M-RPM: 55 55 Misc: \$ - Consultant: \$ 950 06:00 08:00 2:00 DRLG. F/9689' T/9696' 7' 3.5 fph Misc: \$ - Drilling Mud: \$ 1,626 08:00 09:00 1:00 DROP SURVEY & PUMP PILL Cag. Crew: \$ 09:00 14:00 5:00 TRIP OUT FOR BIT - NO TIGHT HOLE Daily Total: \$ 34,376 14:00 16:00 2:00 CHANGE BIT & MOTOR AND RUN IN BHA Cum. Wt: \$ 21,355 16:00 18:00 2:03 SIP AND CUT DRILLING LINE Cum. Bits: \$ 18,780 21:30 22:00 0:30 WASH 30' TO BTM. 13 Motor 6 1/2"	Chlor:	ì	SPR #1 :	550 @ 45 spm	FPH:	21.8	10.5	Heater:	\$	-	Bits:		\$	8,500
Dapp ppb: 2.8 Btm.Up: 49 R-RPM: 50 50 Prime Mover: - Corrosion: \$ 100 Time Break Down: Total D.T. M-RPM: 55 55 Misc: \$ - Consultant: \$ 950 START END TIME Total Rot. Hrs: 243.5 Daily Total: \$ - Drilling Mud: \$ 1,626 06:00 08:00 2:00 DRLG. F/9689' T/9696' 7' 3.5 fph Misc. / Labor: \$ Cag. Crew: \$ Cag.		 	SPR #2 :			15 - 20	15 - 25	Pumping L/T	: \$	-	Mud Motors:		\$	2,000
Time Break Down: Total D.T. M-RPM: 55 55 Misc: \$ - Consultant: \$ 950			Btm.Up:				1			-	Corrosion:		\$	100
START END TIME Total Rot. Hrs: 243.5 Daily Total: \$ - Drilling Mud: \$ 1,626 06:00 08:00 2:00 DRLG. F/9689' T/9696' 7' 3.5 fph Misc. / Labor: \$ 08:00 09:00 1:00 DROP SURVEY & PUMP PILL Csg. Crew: \$ 09:00 14:00 5:00 TRIP OUT FOR BIT - NO TIGHT HOLE Daily Total: \$ 34,376 14:00 16:00 2:00 CHANGE BIT & MOTOR AND RUN IN BHA Cum. Wtr: \$ 21,355 16:00 18:00 2:00 SLIP AND CUT DRILLING LINE Cum. Fuel \$ 61,450 18:00 21:30 3:30 TRIP IN HOLE Cum. Bits: \$ 18,780 21:30 22:00 0:30 WASH 30' TO BTM. BHA 22:00 06:00 8:00 DRLG. F/9696' T/9780' 84' 10.5 fph PDC Bit 7 7/8" 1.0 1- DC 6 1/2" 31.0 IBS 7 7/8" 6.5 1- DC 6 1/2" 31.0 IBS 7 7/8" 6.5 1- DC 6 1/2" </td <td></td> <td>e Break Do</td> <td>· · · · ·</td> <td>Total D.T.</td> <td>M-RPM:</td> <td>55</td> <td>55</td> <td>Misc:</td> <td>\$</td> <td></td> <td>Consultant:</td> <td></td> <td>\$</td> <td>950</td>		e Break Do	· · · · ·	Total D.T.	M-RPM:	55	55	Misc:	\$		Consultant:		\$	950
06:00 08:00 2:00 DRLG. F/9689' T/9696' 7' 3.5 fph Misc. / Labor: \$ 08:00 09:00 1:00 DROP SURVEY & PUMP PILL Cag. Crew: \$ 09:00 14:00 5:00 TRIP OUT FOR BIT - NO TIGHT HOLE Daily Total: \$ 34,376 14:00 16:00 2:00 CHANGE BIT & MOTOR AND RUN IN BHA Cum. Wtr: \$ 21,355 16:00 18:00 2:00 SLIP AND CUT DRILLING LINE Cum. Fuel \$ 61,456 18:00 21:30 3:30 TRIP IN HOLE Cum. Bits: \$ 18,786 21:30 22:00 0:30 WASH 30' TO BTM. BHA 22:00 06:00 8:00 DRLG. F/9696' T/9780' 84' 10.5 fph PDC Bit 7 7/8" 1.0 13 Motor 6 1/2" 33.7 33.7 1.0 <					Total	Rot. Hrs:	243.5	Daily Total:		_	Drilling Mud:		\$	1,626
08:00 09:00 1:00 DROP SURVEY & PUMP PILL Csg. Crew: \$ 09:00 14:00 5:00 TRIP OUT FOR BIT - NO TIGHT HOLE Daily Total: \$ 34,376 14:00 16:00 2:00 CHANGE BIT & MOTOR AND RUN IN BHA Cum. Wtr: \$ 21,355 16:00 18:00 2:00 SLIP AND CUT DRILLING LINE Cum. Fuel \$ 61,450 18:00 21:30 3:30 TRIP IN HOLE Cum. Bits: \$ 18,780 21:30 22:00 0:30 WASH 30' TO BTM. BHA 22:00 06:00 8:00 DRLG. F/9696' T/9780' 84' 10.5 fph PDC Bit 7 7/8" 1.0 13 Motor 6 1/2" 33.7 1.0 1.1 DC 6 1/2" 31.0 1-DC 6 1/2" 31.0 1.0		08:00	2:00	DRLG. F/9689	9' T/9696'	7' 3.5 fph	•				Misc. / Labor	•	\$	-
14:00		f									Csg. Crew:			-
14:00 16:00 2:00 CHANGE BIT & MOTOR AND RUN IN BHA Cum. Wtr: \$ 21,355 16:00 18:00 2:00 SLIP AND CUT DRILLING LINE Cum. Fuel \$ 61,450 18:00 21:30 3:30 TRIP IN HOLE Cum. Bits: \$ 18,780 21:30 22:00 0:30 WASH 30' TO BTM. BHA 22:00 06:00 8:00 DRLG. F/9696' T/9780' 84' 10.5 fph PDC Bit 7 7/8" 1.0 13 Motor 6 1/2" 33.7 15 1- DC 6 1/2" 31.0 16 1- DC 6 1/2" 31.0 16 1- DC 6 1/2" 31.0 17 10 10 10 18 7 7/8" 6.5 19 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10					RIP OUT FOR BIT - NO TIGHT HOLE						† · · · · · · · · · · · · · · · · · · ·	l:	\$	34,376
16:00 18:00 2:00 SLIP AND CUT DRILLING LINE Cum. Fuel \$ 61,450 18:00 21:30 3:30 TRIP IN HOLE Cum. Bits: \$ 18,780 21:30 22:00 0:30 WASH 30' TO BTM. BHA 22:00 06:00 8:00 DRLG. F/9696' T/9780' 84' 10.5 fph PDC Bit 7 7/8" 1.0 13 Motor 6 1/2" 33.7 15 1-DC 6 1/2" 31.0 16 1-DC 6 1/2" 31.0 17 10 10 10 10 18 7 7/8" 6.5 10	14:00	16:00	2:00								Cum. Wtr:		\$	21,359
18:00 21:30 3:30 TRIP IN HOLE 21:30 22:00 0:30 WASH 30' TO BTM. 22:00 06:00 8:00 DRLG. F/9696' T/9780' 84' 10.5 fph PDC Bit 7 7/8" 1.0 13 Motor 6 1/2" 33.7 IBS 7 7/8" 6.5 1 - DC 6 1/2" 31.0 IBS 7 7/8" 6.5 PECEIVED 20 - DC 6 1/2" 623.2				4		· ·					Cum. Fuel		\$	61,450
21:30 22:00 0:30 WASH 30' TO BTM. BHA											Cum. Bits:		\$	18,780
22:00 06:00 8:00 DRLG. F/9696' T/9780' 84' 10.5 fph PDC Bit 7 7/8" 1.0 .13 Motor 6 1/2" 33.7 .15 BS 7 7/8" 6.5 .1 - DC 6 1/2" 31.0 .18 T 7/8" 6.5 .1 - DC 6 1/2" 623.2			-									ВНА		
13 Motor 6 1/2" 33.7 18S 7 7/8" 6.5 1 - DC 6 1/2" 31.0 18S 7 7/8" 6.5 6.5 18S 7 7/8" 6.5				1		84' 10.5 fph	1				PDC Bit	7 7/8"		1.00
BS 7 7/8" 6.5 1 - DC 6 1/2" 31.0 BS 7 7/8" 6.5 1 - DC 6 1/2" 6.5 6.5 6.5 6.5 6.5 6.5											.13 Motor	1		33.75
1 - DC 6 1/2" 31.0 IBS 7 7/8" 6.5 RECEIVED 20 - DC 6 1/2" 623.2 SEP 2 8 2006											IBS	† · · · · · · · · · · · · · · · · · · ·		6.56
BS 7 7/8" 6.5					4							1 1		31.09
SEP 2 8 2006 DIV OF OIL GAS & MINING											1	1 1		6.51
SEP 2 8 2006							RECEIVI	FD			†	1		623.20
DIV OF OIL GAS & MINING				<u> </u>			_							
DIV. OF OIL, GAS & MINING TOTAL BHA = 702.1			<u> </u>	SEP 2 8 2006										
DIV. OF OIL, GAS & MINING TOTAL BHA = 702.1				DIV OF OIL OAC & MINIMO										
				DIV. OF OIL, GAS & MINING							TOTAL BH	IA =		702.11
Survey														
24.00 Survey			24.00	A 400-140-1										
P/U 245 K# LITH: 30% SH - 65% SD - 5% SLTST - Tr COAL BKG GAS 26									•		26			
S/O 215 K# FLARE: None CONN GAS 477							32.3 30					 S		
ROT. 230 K# LAST CSG.RAN: 8 5/8" SET @ 3484' PEAK GAS 477						8 5/8"	SET @	3484'						
FUEL Used: 928 On Hand: 4756 Co.Man S.L.SEELY TRIP GAS 63									<u> </u>					



DAILY DRILLING REPORT

AFE # 40136

CONFIDENTIAL I

TISR 16E 5-16 43-013-32888 GPS N 40° 00.435' W 109° 49.510'

Well: G	SCS 23-16	-11-16	Per.depth:	11598	Prog. de	oth: 11737	Date:	9/29/2006	Days since	spud:		14
Current:	Operatio	ns:	TRIP IN WIT	HBIT#	5							
Depth:	9820'	Prog:	40	D Hrs:	10 1/2	AV ROP:	3.8	Formation:	<u> </u>	Mesave	rde	
DMC:	\$3,2	26	TMC:		\$46,049)	TDC:	\$36,921	CWC:	\$9	988,	497
Contractor	: Fro	ntier Drillin	ng Rig 6	Mud Co:	M-I Drlg. F	luids	TANG	BLE COST	INT	ANGIBLE	cos	iT .
MW:	9.3	#1 T-1	000 3.5 gpm	Bit #:	# 4	# 5	Conductor:	\$ -	Loc,Cost:		\$	
VIS:	70	SPM:		Size:	7 7/8"	7 7/8"	Surf. Csg:	\$ -	Rig Move:		\$	
PV/YP:	15/30	#2 T-1	1000 3.5 gpm	Туре:	HC 509 Z	UD 513	Int. Csg:	\$ -	Day Rate:		\$	18,500
Gel:	30/62	SPM:	120	MFG:	HTC	UD	Prod Csg:	\$ -	Rental Tools:		\$	1,700
WL:	18	GPM:	420	S/N:	7106545	3460	Float Equp:	\$ -	Trucking:		\$_	945
Cake:	2	Press:	1300	Jets:	6 - 16	5 - 16	Well Head:	\$ -	Water:		\$	
Solids:	4	AV DC:	404	TD Out:	9820		TBG/Rods:	<u> </u>	Fuel:		\$	
Sand:	Tr	AV DP:	229	Depth In:	9696	9820	Packers:	\$ -	Mud Logger:		\$	1,000
PH:	9.0	JetVel:	89	FTG:	124		Tanks:	\$ -	Logging:		\$	
Pf/Mf:	.4/6.8	ECD:	9	Hrs:	18.5		Separator:	<u> </u>	Cement:		\$	
Chlor:	2000	SPR #1 :	550 @ 45 spm	FPH:	6.7		Heater:	<u> </u>	Bits:		\$	8,500
Ca:	120	SPR #2 :	550 @ 45 spm	WOB:	15 - 25		Pumping L/T		Mud Motors:		\$	2,000
Dapp ppb:	5.4	Btm.Up:	49	R-RPM:	50		Prime Mover	: \$ -	Corrosion:		\$	100
Tim	e Break Do	wn:	Total D.T.	M-RPM:	55		Misc:	\$ -	Consultant:		\$	950
START	END	TIME		Total	Rot. Hrs:	254.0	Daily Total:	\$ -	Drilling Mud:		\$	3,226
06:00	12:30	6:30	DRLG. F/9780	O' T/9802'	22' 3.4 fph				Misc. / Labor:		\$	
12:30	13:00	0:30	RIG SERVICE	=					Csg. Crew:		\$	-
13:00	17:00	4:00	DRLG. F/9802	2' T/9820'	18' 4.5 fph				Daily Total	<u>: </u>	\$	36,921
17:00	18:00	1:00	PUMP PILL				-		Cum. Wtr:		\$	21,359
18:00	24:00	6:00	TRIP OUT - N						Cum. Fuel		\$	61,450
24:00	01:00	1:00	CHANGE BIT	& MUD N	NOTOR - FU	NCTION TES	T BOPs		Cum. Bits:		\$	27,280
01:00	06:00	5:00	TRIP IN WITH	BIT # 5	- WASH THE	RU BRIDGE @	3893'			BHA		
									PDC Bit	7 7/8"	<u> </u>	1.00
									T-BUSTER	6 1/2"		2.00
						 · · · · · · · · · · · · · · · · · · 		***	.13 Motor	6 1/2"	<u> </u>	33.75
									21 - DC	6 1/2"	├-	654.29
						RECE	VED		<u> </u>	 	\vdash	
						· · · · · · · · · · · · · · · · · · ·			-		\vdash	
				SEP 2 9 2006						 	\vdash	
					<u> </u>	—	—					
					ļ		<u> </u>					
									TOTAL BH	1		691.04
									Survey	2°	╄	9696'
		24.00						···	Survey		<u> </u>	
P/U	245 K#	1	LITH:	15% SH -	80% SD - 5%	SLTST			BKG GAS			31
S/O	215 K#	!	FLARE:	None					CONN GA			37
ROT.	230 K#	l .	LAST CSG.RA	N:	8 5/8"	SET @	3484'		PEAK GAS		***	169
FUEL	Used:	812	On Hand:		3944	Co.Man	S.L.SEEL	Υ	TRIP GAS			



DAILY DRILLING REPORT

CONFIDENTIAL TILS RIGE 3-16 43-013-32 888

AFE # 40136

Well: (GCS 23-16	-11-16	Per.depth:	11598	Prog. de	pth: 11737	Date:	9/30/200)6	Days since	spud:		15
	: Operatio		DRLG.			<u></u>							
Depth:		Prog:	112	D Hrs:	16	AV ROP:	7.0	Forma	ition:	N	/lesaver	de	
DMC:	\$2,2		TMC:		\$48,296	3	TDC:	\$38	3,263	CWC:	\$1,	026	3,760
Contractor	r: Fro	ntier Drilli	ng Rig 6	Mud Co:	M-I Drlg. F	luids	TAN	GIBLE COS	т	INT.	ANGIBLE	cos	Т
MW:	9.7	#1 T-1	1000 3.5 gpm	Bit #:	# 5		Conductor	\$		Loc,Cost:		\$	-
vis:	60	SPM:		Size:	7 7/8"		Surf. Csg:	\$	-	Rig Move:		\$	_
PV/YP:	13/24	#2 T-	1000 3.5 gpm	Type:	UD 513		Int. Csg:	\$_	-	Day Rate:		\$	18,500
Gel:		SPM:	120	MFG:	UD		Prod Csg:	\$	-	Rental Tools:		\$	1,700
WL:	17	GPM :	420	S/N:	3460		Float Equp	: \$	-	Trucking:		\$	-
Cake:	2	Press:	1300	Jets:	5 - 16		Well Head:	\$\$	-	Water:		\$	_
Solids:	4.2	AV DC:	404	TD Out:			TBG/Rods:	\$		Fuel:		\$	11,766
Sand:	Tr	AV DP:	229	Depth In:	9820		Packers:	\$	-	Mud Logger:		\$	1,000
PH:	9.0	JetVel:	89	FTG:	112		Tanks:	\$	-	Logging:		\$	
Pf/Mf:	.4/6.8	ECD:	9	Hrs:	16		Separator:	\$	-	Cement:		\$	-
Chlor:	2000	SPR #1 :	550 @ 45 spm	FPH:	7.0		Heater:	\$	-	Bits:		\$	-
Ca:	100	SPR #2 :	550 @ 45 spm	WOB:	15 - 25		Pumping L	л: \$	_	Mud Motors:		\$	2,000
Dapp ppb:	5	Btm.Up:	49	R-RPM:	50		Prime Mov	er: \$	-	Corrosion:		\$	100
Tim	ne Break Do	wn:	Total D.T.	M-RPM:	55		Misc:	\$	-	Consultant:		\$	950
START	END	TIME		Tota	l Rot. Hrs:	270.0	Daily Total	\$	-	Drilling Mud:		\$_	2,247
06:00	13:00	7:00	TRIP IN - WA	SH BRID	GES F/8570'	T/8717' & F/9	077' T/920	00'		Misc. / Labor:	:	\$	
13:00	13:30	0:30	DRLG. F/9820	0' T/9822'	2' 4.0 fph					Csg. Crew:		\$	
13:30	14:30	1:00	RIG SERVICE	ERVICE & FUNCTION TEST BOPs						Daily Total	:	\$	38,263
14:30	06:00	15:30	DRLG. F/9822	2' T/9932'	110' 7.1 fpl	1				Cum. Wtr:		\$	21,359
										Cum. Fuel		\$	73,216
					<u>-</u>					Cum. Bits:	·	\$	27,280
											BHA		
										PDC Bit	7 7/8"		1.00
										T-BUSTER	6 1/2"		2.00
								4.0		.13 Motor	6 1/2"		33.75
										21 - DC	6 1/2"		654.29
						RECEI	<u>VED</u>						
							0000						
						OCT 02	2000	····					
				DIV. OF OIL, GAS & MINING									
				5.11 o. 6.12, a.16 a.11111111									
										TOTAL BH	A =		691.04
										Survey			
		24.00								Survey			
P/U	250 K#	ł	LITH:	10% SH -	- 85% SD - 5%	SLTST				BKG GAS			32
S/O	220 K#	ł	FLARE:	None		***				CONN GA	<u>s</u>		114
ROT.	235 K#		LAST CSG.RA	N:	8 5/8"	SET @	3484'			PEAK GAS	<u> </u>		150
FUEL	Used:	820	On Hand:		7308	Co.Man	S.L.SEE	LY		TRIP GAS			286



DAILY DRILLING REPORT

CONFIDENTIAL TILS RIGE S-16 43-013-32888

AFE # 40136

Well: 0	GCS 23-16	-11-16	Per.depth:	11598	Prog. de	oth: 11737	Date: 10/0	1/2006	Days since	spud:	16
Current	: Operatio	ns:	TRIP IN HOL	.E							
Depth:		Prog:	54	D Hrs:	14	AV ROP:	3.9	Formation:	N	/lesaverde	
DMC:	\$2,9		TMC:		\$51,288	}	TDC:	\$27,241	CWC:	\$1,05	4,001
Contractor	r: Fro	ntier Drilli	ng Rig 6	Mud Co:	M-I Drlg. F	luids	TANGIB	LE COST	INT	ANGIBLE COS	T .
MW:	9.6	#1 T-1	1000 3.5 gpm	Bit #:	#5	#6	Conductor:	\$ -	Loc,Cost:	\$	
VIS:	57	SPM:		Size:	7 7/8"	7 7/8"	Surf. Csg:	\$ -	Rig Move:	\$	•
PV/YP:	13/21	#2 T-	1000 3.5 gpm	Туре:	UD 513	HC 506 Z	Int. Csg:	\$ -	Day Rate:	\$	18,500
Gel:	15/48	SPM:	120	MFG:	UD	HTC	Prod Csg:	\$ -	Rental Tools:	\$	1,700
WL:	13	GPM:	420	S/N:	3460	7112218	Fioat Equp:	\$ -	Trucking:	\$	_
Cake:	2	Press:	1300	Jets:	5 - 16	6 - 16	Well Head:	\$ -	Water:	\$	•
Solids:	4.4	AV DC:	404	TD Out:	9986		TBG/Rods:	\$ -	Fuel:	\$	•
Sand:	Tr	AV DP:	229	Depth In:	9820	9986	Packers:	\$ -	Mud Logger:	\$	1,000
PH:	9.0	JetVel:	89	FTG:	166		Tanks:	\$ -	Logging:	\$	
Pf/Mf:		ECD:	9	Hrs:	30		Separator:	\$ -	Cement:	\$	-
Chlor:	2000	SPR #1 :	550 @ 45 spm	FPH:	5.5		Heater:	\$ -	Bits:	\$	-
Ca:	120	SPR #2 :	550 @ 45 spm	wов:	15 - 25		Pumping L/T:	\$ -	Mud Motors:	\$	2,000
Dapp ppb:	5.3	Btm.Up:	49	R-RPM:	50		Prime Mover:	\$ -	Corrosion:	\$	100
Tim	e Break Do	wn:	Total D.T.	M-RPM:	55		Misc:	\$ -	Consultant:	\$	950
START	END	TIME		Tota	l Rot. Hrs:	284.0	Daily Total:	\$ -	Drilling Mud:	\$	2,991
06:00	11:00	5:00	DRLG. F/9932	2' T/9948'	16' 3.2 fph				Misc. / Labor:	\$	-
11:00	11:30	0:30	RIG SERVICE						Csg. Crew:	\$	-
11:30	20:30	9:00	DRLG. F/9948	3' T/9986'	38' 4.2 fph				Daily Total:	\$	27,241
20:30	21:30	1:00	DROP SURVI	EY & PUN	/IP PILL				Cum. Wtr:	\$	21,359
21:30	01:30	4:00	TRIP FOR BI	T#6-NC	TIGHT HOL	E			Cum. Fuel	\$	73,216
01:30	02:00	0:30	CHANGE BIT	AND FUI	NCTION TES	Т ВОР			Cum. Bits:	\$	27,280
02:00	06:00	4:00	TRIP IN HOLI	E WITH B	IT#6					ВНА	
									PDC Bit	7 7/8"	1.00
									.13 Motor	6 1/2"	33.75
									21 - DC	6 1/2"	654.29
						RECI	EIVED				
						OOT (2 2006				
				445		DIV OF OIL O	SAS & MINING				
		<u> </u>	1						TOTAL BH	A =	689.04
									Survey	2 1/4°	9932'
		24.00							Survey		
P/U	250 K#		LITH:	10% SH -	- 85% SD - 5%	SLTST			BKG GAS		
S/O	220 K#		FLARE:				CONN GAS	.			
ROT.	235 K#						3484'		PEAK GAS		
FUEL	Used:	1160	On Hand:		6148	Co.Man	S.L.SEELY		TRIP GAS		



DAILY DRILLING REPORT

AFE # 40136

CONFIDENTIAL TIIS MIGE S-16 43-013-37888

Well: 0	GCS 23-16	5-11-16	Per.depth:	11598	Prog. de	pth: 11737	Date: 10/0	2/2006	Days since	spud:	17
Current	: Operatio	ns:	DRLG.								
Depth:	10245'		259	D Hrs:	21	AV ROP:	12.3	Formation:	N	Mesaverde	
DMC:	\$2,6		TMC:		\$53,938	3	TDC:	\$26,900	CWC:	\$1,08	0,901
Contractor	r: Fro	ntier Drilli	ng Rig 6	Mud Co:	M-I Drlg. F	luids	TANGIB	LE COST	INT	ANGIBLE CO	ST
MW:	9.6	#1 T-1	000 3.5 gpm	Bit #:	#6		Conductor:	\$ -	Loc,Cost:		<u>-</u>
VIS:	57	SPM:		Size:	7 7/8"		Surf. Csg:	\$ -	Rig Move:		-
PV/YP:	13/21	#2 T-1	1000 3.5 gpm	Туре:	HC 506 Z		int. Csg:	\$ -	Day Rate:		18,500
Gel:	15/48	SPM:	120	MFG:	HTC		Prod Csg:	\$ -	Rental Tools:		1,700
WL:	13	GPM:	420	S/N:	7112218		Float Equp:	\$ -	Trucking:	\$	<u> </u>
Cake:	2	Press:	1300	Jets:	6 - 16		Well Head:	<u> </u>	Water:		<u> </u>
Solids:	4.4	AV DC:	404	TD Out:			TBG/Rods:	<u>\$</u> -	Fuel:		<u>-</u>
Sand:	Tr	AV DP:	229	Depth In:	9986		Packers:	<u> </u>	Mud Logger:	\$	1,000
PH:	9.0	JetVel:	89	FTG:	259		Tanks:	\$ -	Logging:	9	
Pf/Mf:	.5/6.2	ECD:	9	Hrs:	21		Separator:	<u> </u>	Cement:		<u>-</u>
Chlor:	2000	SPR #1 :	550 @ 45 spm	FPH:	12.3		Heater:	\$ -	Bits:		-
Ca:	120	SPR #2 :	550 @ 45 spm	WOB:	15 - 20		Pumping L/T:	\$ -	Mud Motors:	9	
Dapp ppb:	5.3	Btm.Up:	49	R-RPM:	30 - 55		Prime Mover:	\$ -	Corrosion:		
Tin	ne Break Do	wn:	Total D.T.	M-RPM:	55		Misc:	\$ -	Consultant:		
START	END	TIME		Tota	Rot. Hrs:	305.0	Daily Total:	\$ -	Drilling Mud:		2,650
06:00	08:00	2:00	TRIP IN HOLI	E - NO TI	SHT HOLE				Misc. / Labor:		<u>-</u>
08:00	08:30	0:30	WASH 2 JTS	. ТО ВТМ	- NO FILL				Csg. Crew:		<u>-</u>
08:30	12:00	3:30	DRLG. F/998	6' T/10042	2' 56' 16.0 f	ph			Daily Total:		26,900
12:00	12:30	0:30	RIG SERVICE	E & FUNC	TION TEST	BOPs			Cum. Wtr:		21,359
12:30	06:00	17:30	DRLG. F/100-	42' T/1024	5' 203' 11.	6 fph		<u>.</u>	Cum. Fuel		73,216
									Cum. Bits:		27,280
								***		BHA	
									PDC Bit	7 7/8"	1.00
									.13 Motor	6 1/2"	33.75
									21 - DC	6 1/2"	654.29
								***	<u> </u>	 	
									<u> </u>	 	
				-		RECEIV	ヒリ		<u> </u>	1 1	
						OCT 0 2 2	006			 	
					DIV	OF OIL, GAS	& MINING				
									TOTAL BH	A =	689.04
									Survey		
		24.00							Survey		
P/U	250 K#	¥	LITH:	70% SH -	25% SD - 5%	6 SLTST			BKG GAS		1907
S/O	220 K#	#	FLARE:	3' TO 8'					CONN GAS	3	6300
ROT.	235 K#	¥	LAST CSG.RA	N:	8 5/8"	SET @	3484'		PEAK GAS		6300
FUEL	Used:	1160	On Hand:		4988	Co.Man	S.L.SEELY		TRIP GAS		1902



DAILY DRILLING REPORT

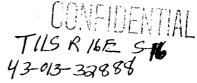
AFE # 40136

CONFIDENTIAL TIISA16E 5-16 4.3-013-32888

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its:	\$	35,789
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it 7 7	7/8"	1.00
otor 6 1/	1/2"	33.75
6 1	/2"	654.29
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DAILY DRILLING REPORT



AFE # 40136

			r				<u> </u>		1	·		
Well: 0	GCS 23-16	5-11-16	Per.depth:	11598	Prog. de	pth: 11737	Date: 10/0	04/2006	Days since	spud:	1	19
Current:	: Operatio	ns:	WASH & RE	AM TO E	ВТМ.							
Depth:	10394'	Prog:	0	D Hrs:	0	AV ROP:	0.0	Formation:	N	lesaverd		
DMC:	\$2,5	95	TMC:		\$68,362	2	TDC:	\$37,304	CWC:	\$1,1	69,4	<u>59</u>
Contractor	r: Fro	ontier Drilli	ng Rig 6	Mud Co:	M-I Drlg. F	luids	TANGIB	LE COST	INT	ANGIBLE C	OST	
MW:	10	#1 T-	1000 3.5 gpm	Bit #:	#6	#7	Conductor:	\$ <u>-</u>	Loc,Cost:		\$	
VIS:	53	SPM:		Size:	7 7/8"	7 7/8"	Surf. Csg:	\$ -	Rig Move:		\$	-
PV/YP:	17/25	#2 T-	1000 3.5 gpm	Туре:	HC 506 Z	K503BPX	Int. Csg:	<u> </u>	Day Rate:			8,500
Gel:	14/41	SPM:	120_	MFG:	HTC	STC	Prod Csg:	\$ -	Rental Tools:		\$	1,700
WL:	10	GPM:	420	S/N:	7112218	BR 20726	Float Equp:	\$ -	Trucking:		\$	
Cake:	2	Press:	1300	Jets:	6 - 16	TFA 1.2	Well Head:	<u> </u>	Water:		\$	_
Solids:	12	AV DC:	404	TD Out:	10394		TBG/Rods:	<u> </u>	Fuel:			<u>0,459</u>
Sand:	Tr	AV DP:	229	Depth In:	9986	10394	Packers:	\$ -	Mud Logger:			1,000
PH :	9.0	JetVel:	89	FTG:	408		Tanks:	\$ -	Logging:		\$	
Pf/Mf:	.3/5.2	ECD:	9	Hrs:	42		Separator:	<u> </u>	Cement:		\$	-
Chlor:	1000	SPR #1 :	550 @ 45 spm	FPH:	9.7		Heater:	\$ -	Bits:		\$	
Ca:	100	SPR #2 :	550 @ 45 spm	WOB:	15 - 30		Pumping L/T:	<u> </u>	Mud Motors:			2,000
Dapp ppb:	4.7	Btm.Up:	49	R-RPM:	30 - 55		Prime Mover:	\$ -	Corrosion:		\$	100
Tim	e Break Do	wn:	Total D.T.	M-RPM:	55		Misc:	\$ -	Consultant:		\$	950
START	END	TIME		Tota	Rot. Hrs:	326.0	Daily Total:	\$ -	Drilling Mud:		\$	2,595
06:00	10:00	4:00	TRIP OUT FO	R BIT #7	- NO TIGHT	HOLE			Misc. / Labor:		\$	-
10:00	11:00	1:00	CHANGE BIT	AND MU	D MOTOR				Csg. Crew:		\$	
11:00	16:00	5:00	TRIP IN HOLE BRIDGE @ 9795' - WORK STUCK PIPE & TIGHT HOLE @ 9795'						Daily Total:			7,304
16:00	22:30	6:30	BRIDGE @ 9	795' - WC	ORK STUCK	PIPE & TIGH	T HOLE @ 9	795'	Cum. Wtr:			1,359
22:30	06:00	7:30	WASH & REA	M F/979	5' T/10300'	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,			Cum. Fuel			3,675
									Cum. Bits:		\$ 3	5,789
										BHA		•
									PDC Bit	7 7/8"		1.00
									1.0 Motor	6 1/2"		33.7
									21 - DC	6 1/2"	(654.29
												
							· · · · · · · · · · · · · · · · · · ·					
						RECE	IVFD -					
			OCT 0 4 2006							 		
					<u> </u>							
						THE COLUMN	00130000		<u> </u>			
			DIV. OF OIL, GAS & MINING						TOTAL BH	_		689.0
								·	Survey	3°	10	0894'
		24.00							Survey	<u> </u>		
P/U	255 K#	¥	LITH:						BKG GAS		1	342
S/O	225 K#	ŧ	FLARE:						CONN GAS			
ROT.	240 K#	<u> </u>	LAST CSG.RA		8 5/8"	SET @	3484'		PEAK GAS			
FUEL	Used:	1230	On Hand:		6612	Co.Man	S.L.SEELY		TRIP GAS	-		



DAILY DRILLING REPORT

CONFIDENTIAL TIS RIGE 5/6 43-013-32888

AFE # 40136

Well: (Well: GCS 23-16-11-16 Per.dept			11598	Prog. de	pth: 11737	Date: 10/0	5/2006	Days since	spud:	20
Current	: Operatio	ns:	DRLG.								
Depth:	10525'	Prog:	131	D Hrs:	18	AV ROP:	7.3	Formation:		Castlegate	
DMC:	\$7,1	92	TMC:		\$75,554		TDC:	\$39,335	CWC:	\$1,20	08,794
Contracto	r: Fro	ntier Drilli	ng Rig 6	Mud Co:	M-I Drlg. F	luids	TANGIBL	E COST	INT	ANGIBLE CO	ST
MW:	10	#1 T-1	1000 3.5 gpm	Bit #:	#7		Conductor:	\$ -	Loc,Cost:		-
VIS:	52	SPM:		Size:	7 7/8"		Surf. Csg:	\$ -	Rig Move:		<u> </u>
PV/YP:	15/24	#2 т-	1000 3.5 gpm	Туре:	K503BPX		Int. Csg:	\$	Day Rate:		18,500
Gel:	15/38	SPM:	120	MFG:	STC		Prod Csg:	\$ -	Rental Tools:		1,700
WL:	10.8	GPM :	420	S/N:	BR 20726		Float Equp:	\$ <u>-</u>	Trucking:		-
Cake:	2	Press:	1300	Jets:	TFA 1.2		Well Head:	\$ -	Water:		2,918
Solids:	10.8	AV DC:	404	TD Out:			TBG/Rods:	\$ -	Fuel:		<u>-</u>
Sand:	Tr	AV DP:	229	Depth In:	10394		Packers:	\$ -	Mud Logger:		1,000
PH :	9.0	JetVel:	89	FTG:	131		Tanks:	\$ -	Logging:		<u>-</u>
Pf/Mf:	.3/5.4	ECD:	9	Hrs:	18		Separator:	\$ -	Cement:		<u> -</u>
Chlor:	1000	SPR #1 :	550 @ 45 spm	FPH:	7.3		Heater:	\$ -	Bits:		<u> </u>
Ca:	100	SPR #2 :	550 @ 45 spm	WOB:	15 - 25		Pumping L/T:	\$ -	Mud Motors:		2,000
Dapp ppb:	4.9	Btm.Up:	49	R-RPM:	50		Prime Mover:	<u> </u>	Corrosion:		100
Tim	ne Break Do	wn:	Total D.T.	M-RPM:	420		Misc:	<u> </u>	Consultant:		950
START	END	TIME		Tota	l Rot. Hrs:	344.0	Daily Total:	\$ -	Drilling Mud:		7,192
06:00	11:30	5:30	WASH & REA	M F/1030	00' T/10394'				Misc. / Labor:		\$ 4,975
11:30	14:30	3:00	DRLG. F/1039	94' T/1042	22' 28' 9.3 fp	oh			Csg. Crew:		\$ -
14:30	15:00	0:30	RIG SERVICE	& FUNC	TION TEST	BOPs			Daily Total:		\$ 39,335
15:00	06:00	15:00	DRLG. F/1042	22' T/1052	25' 103' 6.9	fph			Cum. Wtr:		\$ 24,277
									Cum. Fuel		\$ 83,675
						<u></u>			Cum. Bits:		\$ 35,789
									<u> </u>	BHA	****
		<u></u>							PDC Bit	7 7/8"	1.00
					· -, .		***		1.0 Motor	6 1/2"	33.75
									21 - DC	6 1/2"	654.29
										<u> </u>	
					****	RECEIV	/ED			 	
						NOT A C	inne		_		
						OCT 0 5 2	ZUUb		<u> </u>	 	
						<u> </u>	2. MININO		<u> </u>		
			DIV. OF OIL, GAS & MINING						<u> </u>	<u> </u>	
								***	TOTAL BH	A =	689.04
									Survey		
		24.00						- <u></u>	Survey	<u> </u>	
P/U	255 K#	ł	LITH:	35% SH -	- 60% SD - 5%	SLTST			BKG GAS		216
S/O	225 K#	!	FLARE:	None			· ••		CONN GAS		365
ROT.	240 K#	}	LAST CSG.RA	N:	8 5/8"	SET @	3484'		PEAK GAS	···	506
FUEL	Used:	1392	On Hand:		5220	Co.Man	S.L.SEELY		TRIP GAS		



DAILY DRILLING REPORT

AFE # 40136

CONFIDENTIAL TILS RIGE S-16 43-013-32888 GPS N 40° 00.435' W 109° 49.510'

Depth: 10617 Prog: 92 D Hrs: 23 AV ROP: 4.0 Formation: Mesaveride	Walls (200 22 46	44.46	Don donth	44500	Brog do	ath: 11727	Date: 10/0	6/2006	Dave sine			21
Dappin: 10617 Prog: 92					11596	Prog. de	pui: 11737	Date: 10/0	0/2000	Days Since	s spuu.		-1
DMC: \$2,793 TMC: \$78,348 TDC: \$35,968 CWC: \$1,244,762					D Hre:	23	AV POP	4.0	Formation:				
Contractor: Frontier Drilling Rig 6				T	Dins.			1					.762
MW: 10					Mud Co:		· · · · · · · · · · · · · · · · · · ·	 	· · · · · · · · · · · · · · · · · · ·				
VIS: 57 SPM: Size: 77/8" Surf. Cag: \$ - Rig Move: \$		T		*				1					-
### PVPP: 18/24 #2T-1000.3.5 gpm Type: K503BPX nit. Cag: \$ - Day Rate: \$ 18,500 Gel: 15/41 sPM: 120 MPG: STC Prod Cag: \$ - Rental Tools: \$ 1,700 ML: 9.2 GPM: 420 slin: BR 20726 Proset Equip: \$ - Troucking: \$ 945 Cate: 2 Press: 1300 Jete: TFA 1.2 Well Head: \$ - Wester: \$ - S-Solida: 10 AV DC: 40.4 TO Out: TFA 1.2 Well Head: \$ - Wester: \$ - S-Solida: 10 AV DP: 229 Depth in: 10394 Proceeding: \$ - Fluel: \$ - Press: \$ - Solida: \$ - Fluel: \$ - Solida: \$ - Solida: \$ - Fluel: \$ - Solida: \$ - Solida: \$ - Fluel: \$ - Solida: \$ - Solida: \$ - Fluel: \$ - Solida: \$ - Solida				1000 3.3 дрин				-t					-
Gel: 15/41 SPM: 120 MFG: STC Prod Ceg: \$ - Rental Tools: \$ 1,700 MTG: \$ 9.2 GPM: 420 Sn: BR 20726 Float Equp: \$ - Trucking: \$ 945 Cabe: 2 Press: 1300 Jets: TFA 1.2 Weel Head: \$ - Motor: \$ - Special Solids: 10 AV DC: 404 TO Out: TGSGRods: \$ - Fuel: \$ - Special Solids: 10 AV DC: 404 TO Out: TGSGRods: \$ - Fuel: \$ - Special Solids: \$ - Sp		t .		1000 3.5 apm				1				\$	18,500
Wit: 9.2 GPM: 420 SN: BR 20726 Float Equip: \$ - Troubling: \$ 945 Cake: 2 Press: 1300 Jets: TFA 1.2 Well Head: \$ - Water: \$ - Solids: 10 AV DC: 404 TO Dut: \$ - Troubling: \$													1,700
Cake: 2 Press: 1300 Jets: TFA 1.2 Well Head: \$ - Water: \$		9.2	GPM:	420	S/N:	BR 20726		Float Equp:	\$ -	Trucking:		\$	945
Solida: 10			Press:		Jets:	TFA 1.2		Well Head:	\$ -	Water:		\$	
PH			AV DC:	404	TD Out:			TBG/Rods:	\$ -	Fuel:		\$	-
PMM: .3/5.4 ECD: 9	Sand:	Tr	AV DP:	229	Depth In:	10394		Packers:	\$ -	Mud Logger:		\$	1,000
Chlor: 1000 SPR #1: 550 @ 45 spm FPH: 5.4 Heater: \$ - Bits: \$ 2,500 Ca: 100 SPR #2: 550 @ 45 spm WOB: 15 - 25 Pumping L/T: \$ - Mud Motors: \$ 2,000 Dapp ppi: 4.7 Bitm.Up: 49 R.RPM: 50 Prime Mover: \$ - Corrosion: \$ 100 TOTAL D.T. MR.RPM: 420 Misc: \$ - Corrosion: \$ 100 START END TIME 420 Misc: \$ - Corrosion: \$ 100 TOTAL BLA Available 420 Misc: \$ - Corrosion: \$ 950 START END TIME 420 Misc: \$ - Corrosion: \$ 950 TOTAL BLA Available Available \$ - Corrosion: \$ 950 DRLG. F/10587 T/10587 T/10550' 25' 3.1 fph Misc: \$ Cap. Crew: \$ 24,277 Available Available Availab	PH:	9.0	JetVel:	89	FTG:	223		Tanks:	\$ -	Logging:		\$	-
Ca : 100 SPR #2 : 550 @ 45 spm WoB : 15 - 25	Pf/Mf:	.3/5.4	ECD:	9	Hrs:	41		Separator:	\$ -	Cement:		\$	
Dapp ppb: 4.7 Stm.Up: 49 R-RPM: 50 Prime Mover: \$ - Corrosion: \$ 100	Chlor:	1000	SPR #1 :	550 @ 45 spm	FPH:	5.4		Heater:	\$ -	Bits:		\$	2,500
Time Break Down: Total D.T. M-RPM: 420 Milsc: \$ - Consultant: \$ 950	Ca:	100	SPR #2 :	550 @ 45 spm	WOB:	15 - 25		Pumping L/T:	\$ -	Mud Motors:		<u>\$</u>	2,000
START END TIME Total Rot. Hn: 367.0 Daily Total: \$ - Drilling Mud: \$ 2,793	Dapp ppb:	4.7	Btm.Up:	49	R-RPM:	50		Prime Mover:	\$ -	Corrosion:		<u>\$</u>	100
06:00 14:00 8:00 DRLG. F/10526' T/10550' 25' 3.1 fph Misc. / Labor: \$ 5,480 14:00 14:30 0:30 RIG SERVICE & FUNCTION TEST BOPS Cag. Crew: \$	Tim	ne Break Do	wn:	Total D.T.	M-RPM:	420		Misc:	\$ -	Consultant:		<u> \$ </u>	950
14:00 14:30 0:30 RIG SERVICE & FUNCTION TEST BOPS 14:30 23:30 9:00 DRLG. F/10550' T/10587' 37' 4.1 fph Daily Total: \$ 35,968 23:30 24:00 0:30 RIG SERVICE Cum. Wtr: \$ 24,277 24:00 06:00 6:00 DRLG. F/10587' T/10617' 30' 5.0 fph Cum. Fuel \$ 83,675 Cum. Bits: \$ 38,289 BHA PDC Bit 77/8" 1.0 1.0 Motor 6 1/2" 33.7' 21 - DC 6 1/2" 654.2' DIV. OF OIL, GAS & MINING TOTAL BHA = 689.0 Survey P/U 255 K# LITH: 60% SH - 35% SS - 5% SLTST BKG GAS 773 S/O 225 K# FLARE: 3' - 12' ROT. 240 K# LAST CSG.RAN: 8 5/8" SET @ 3484' PEAK GAS 1317	START	END	TIME		Total	Rot. Hrs:	367.0	Daily Total:	\$ -	Drilling Mud:		<u>\$</u>	2,793
14:30 23:30 9:00 DRLG. F/10550* T/10587* 37* 4.1 fph Daily Total: \$ 35,968 23:30 24:00 0:30 RIG SERVICE Curr. Wtr: \$ 24,277 24:00 06:00 6:00 DRLG. F/10587* T/10617* 30* 5.0 fph Curr. Fuel \$ 83,675 Curr. Bits: \$ 38,289 BHA PDC Bit 7 7/8" 1.06 1.0 Motor 6 1/2" 33.7* 21-DC 6 1/2" 654.2* DIV. OF OIL, GAS & MINING TOTAL BHA = 689.0 Survey P/U 255 K# LITH: 60% SH - 35% SS - 5% SLTST BKG GAS 773 S/O 225 K# FLARE: 3'-12' CONN GAS 1169 ROT. 240 K# LAST CSG.RAN: 8 5/8" SET @ 3484' PEAK GAS 1317	06:00	14:00	8:00	DRLG. F/1052	25' T/1055	0' 25' 3.1 fp	<u>h</u>		.,,,,	Misc. / Labor:		\$	5,480
23:30	14:00	14:30	0:30	RIG SERVICE	& FUNC	TION TEST	BOPs			† 			-
24:00 06:00 6:00 DRLG. F/10587' T/10617' 30' 5.0 fph Cum. Fuel \$ 83,675 Cum. Bits: \$ 38,289	14:30	23:30	9:00	DRLG. F/1055	50' T/1058	37' 37' 4.1 fp	h			Daily Total:			
Cum. Bits: \$ 38,289 BHA	23:30	24:00	0:30	RIG SERVICE	.					Cum. Wtr:			
BHA PDC Bit 7 7/8" 1.0t 1.0 Motor 6 1/2" 33.75 21 - DC 6 1/2" 654.25 654.25	24:00	06:00	6:00	DRLG. F/1058	37' T/1061	7' 30' 5.0 fp	oh			Cum. Fuel			
PDC Bit 7 7/8" 1.00 1.0 Motor 6 1/2" 33.74 21 - DC 6 1/2" 654.29 PECFIVED OCT 0 6 2006 DIV. OF OIL, GAS & MINING Survey 24.00 P/U 255 K# LITH: 60% SH - 35% SS - 5% SLTST S/O 225 K# FLARE: 3' - 12' ROT. 240 K# LAST CSG.RAN: 8 5/8" SET @ 3484' PEAK GAS 1317							· · · · · · · · · · · · · · · · · · ·		·	Cum. Bits:		\$	38,289
1.0 Motor 6 1/2" 33.73 21 - DC 6 1/2" 654.29				ļ							1		
P/U 255 K# LITH: 60% SH - 35% SS - 5% SLTST BKG GAS 1169										PDC Bit			1.00
P/U 255 K# LITH: 60% SH - 35% SS - 5% SLTST BKG GAS TOTAL BHA = 689.0		ļ											33.75
OCT 0 6 2006 DIV. OF OIL, GAS & MINING TOTAL BHA = 689.0 Survey Survey P/U 255 K# LITH: 60% SH - 35% SS - 5% SLTST BKG GAS 773 S/O 225 K# FLARE: 3' - 12' CONN GAS 1169 ROT. 240 K# LAST CSG.RAN: 8 5/8" SET @ 3484' PEAK GAS 1317										21 - DC	6 1/2"		654.29
OCT 0 6 2006 DIV. OF OIL, GAS & MINING TOTAL BHA = 689.0 Survey Survey P/U 255 K# LITH: 60% SH - 35% SS - 5% SLTST BKG GAS 773 S/O 225 K# FLARE: 3' - 12' CONN GAS 1169 ROT. 240 K# LAST CSG.RAN: 8 5/8" SET @ 3484' PEAK GAS 1317			ļ <u>.</u>	ļ									
OCT 0 6 2006 DIV. OF OIL, GAS & MINING TOTAL BHA = 689.0 Survey Survey P/U 255 K# LITH: 60% SH - 35% SS - 5% SLTST BKG GAS 773 S/O 225 K# FLARE: 3' - 12' CONN GAS 1169 ROT. 240 K# LAST CSG.RAN: 8 5/8" SET @ 3484' PEAK GAS 1317		<u> </u>					<u> </u>	<u></u>					
DIV. OF OIL, GAS & MINING TOTAL BHA = 689.0 Survey P/U 255 K# LITH: 60% SH - 35% SS - 5% SLTST BKG GAS 773 S/O 225 K# FLARE: 3' - 12' ROT. 240 K# LAST CSG.RAN: 8 5/8" SET @ 3484' PEAK GAS 1317							REC	EIVED			\vdash		
DIV. OF OIL, GAS & MINING TOTAL BHA = 689.0 Survey P/U 255 K# LITH: 60% SH - 35% SS - 5% SLTST BKG GAS 773 S/O 225 K# FLARE: 3' - 12' ROT. 240 K# LAST CSG.RAN: 8 5/8" SET @ 3484' PEAK GAS 1317						·	ריוו	0 6 200G			-		
24.00 Survey Survey								0 0 2000	 			,	
Survey	×						DIV. OF OIL	, GAS & MININ	G	TOTAL BHA	<u>└</u> \=		689.04
24.00 Survey P/U 255 K# LiTH: 60% SH - 35% SS - 5% SLTST BKG GAS 773 S/O 225 K# FLARE: 3' - 12' CONN GAS 1169 ROT. 240 K# LAST CSG.RAN: 8 5/8" SET @ 3484' PEAK GAS 1317				··········						 	Ī		
P/U 255 K# LITH: 60% SH - 35% SS - 5% SLTST BKG GAS 773 S/O 225 K# FLARE: 3' - 12' CONN GAS 1169 ROT. 240 K# LAST CSG.RAN: 8 5/8" SET @ 3484' PEAK GAS 1317			24.00						· /2-//				
S/O 225 K# FLARE: 3' - 12' CONN GAS 1169 ROT. 240 K# LAST CSG.RAN: 8 5/8" SET @ 3484' PEAK GAS 1317	P/U	255 K#		LITH:	60% SH -	35% SS - 5%	SLTST	·-	<u> </u>	<u> </u>			773
ROT. 240 K# LAST CSG.RAN: 8 5/8" SET @ 3484' PEAK GAS 1317						23.000 070						_	
						8 5/8"	SET @	3484'		··-			
FUEL Used: 1276 On Hand: 3944 Co.Man S.L.SEELY TRIP GAS				On Hand:			Co.Man	S.L.SEELY		TRIP GAS			



DAILY DRILLING REPORT

CONFLUENTIAL TILS RIGE 3% 43-013-32888

AFE # 40136

			ï			···-	<u> </u>		1			
Well: G	GCS 23-16	-11-16	Per.depth:			oth: 11737	Date: 10/0	7/2006	Days since	spud:		22
Current:	Operatio	ns:	TRIP FOR M	UD MOT	OR							
Depth:	10688'	Prog:	71	D Hrs:	15 1/2	AV ROP:	4.6	Formation:	T	astlegat		
DMC:	\$3,3	54	тмс:		\$81,702		TDC:	\$58,164	cwc:	\$1,3	302,9	926
Contractor	r: Fro	ntier Drilli	ng Rig 6	Mud Co:	M-I Drlg. Fl	uids	TANGIBI	LE COST	INTA	ANGIBLE C		
MW:	10	#1 T-	1000 3.5 gpm	Bit #:	#7		Conductor:	\$ -	Loc,Cost:		\$_	
VIS:	47	SPM:		Size:	7 7/8"		Surf. Csg:	<u> </u>	Rig Move:		\$	-
PV/YP:	13/17	#2 т-	1000 3.5 gpm	Туре:	K503BPX		Int. Csg:	<u> </u>	Day Rate:			18,500
Gel:	9/26	SPM:	120	MFG:	STC		Prod Csg:	<u> </u>	Rental Tools:		\$	1,700
WL:	10	GPM:	420	S/N:	BR 20726	<u> </u>	Float Equp:	<u> </u>	Trucking:		\$	1,810
Cake:	2	Press:	1300	Jets:	TFA 1.2		Well Head:	<u> </u>	Water:		\$	
Solids:	10	AV DC:	404	TD Out:	10688		TBG/Rods:	\$ -	Fuel:		\$	
Sand:	Tr	AV DP:	229	Depth In:	10394		Packers:	<u> </u>	Mud Logger:		\$	1,000
PH:	9.0	JetVel:	89	FTG:	688		Tanks:	\$ -	Logging:		\$	
Pf/Mf:	.3/5.4	ECD:	9	Hrs:	56.5		Separator:	\$	Cement:		\$	<u>-</u>
Chlor:	1000	SPR #1 :	550 @ 45 spm	FPH:	12.2	<u> </u>	Heater:	<u> </u>	Bits:			22,000
Ca:	100	SPR #2 :	550 @ 45 spm	WOB:	15 - 25		Pumping L/T:	<u> </u>	Mud Motors:	<u> </u>	\$	2,000
Dapp ppb:	5	Btm.Up:	49	R-RPM:	50		Prime Mover:	<u> </u>	Corrosion:		\$	100
Tim	e Break Do	wn:	Total D.T.	M-RPM:	420		Misc:	<u> </u>	Consultant:		\$_	950
START	END	TIME		Tota	l Rot. Hrs:	382.5	Daily Total:	\$ -	Drilling Mud:		\$	3,354
06:00	12:00	6:00	DRLG. F/1061	17' T/1064	4' 27' 4.5 fp	h			Misc. / Labor:		\$	6,750
12:00	12:30	0:30	RIG SERVICE						Csg. Crew:		\$	
12:30	22:00	9:30	DRLG. F/1064						Daily Total:			58,164
22:00	23:00	1:00	DROP SURV					· · · · · · · · · · · · · · · · · · ·	Cum. Wtr:			24,277
23:00	06:00	7:00	TRIP OUT FO	R MOTO	R - FIRST TE	N STDS. PUI	LLED TIGHT		Cum. Fuel			83,675
									Cum. Bits:		\$	60,675
										BHA		
									PDC Bit	7 7/8"		1.00
									1.0 Motor	6 1/2"		33.75
				<u> </u>				· · · · · · · · · · · · · · · · · · ·	21 - DC	6 1/2"		654.29
						in the second	<u> </u>		<u></u>	 		
				·			CEIVED		<u> </u>	 	-	
					·	n_	1 8 2005		<u> </u>			
							• • 700 m			<u> </u>		
Å				· · ·		DIV. C:				 		
									TOTAL BH			689.04
									Survey	3°	1	10650'
		24.00			· · · · · ·				Survey			
P/U	255 K#	t	LITH:	80% SH -	- 15% SS - 5%	SLTST			BKG GAS			1040
S/O	225 K#	ŧ	FLARE:	3' - 12'	·				CONN GAS			1098
ROT.	240 K#	t	LAST CSG.RA	N:	8 5/8"	SET @	3484'		PEAK GAS	·		1572
FUEL	Used:	1160	On Hand:		2784	Co.Man	S.L.SEELY		TRIP GAS			



GASCO ENERGY

TIS RIGE SHO SHO

DAILY DRILLING REPORT 43-013-37888

AFE # 40136

										
CS 23-16	-11-16	Per.depth:	11598	Prog. de	pth: 11737	Date: 10/0	8/2006	Days since	spud:	23
: Operatio	ns:	DRLG.								·
10780'	Prog:	92	D Hrs:	15 1/2	AV ROP:	5.9	Formation:		Desert	
\$0)	тмс:		\$81,702	?	TDC:	\$39,522			42,448
r: Fro	ntier Drilli	ng Rig 6	Mud Co:	M-I Drlg. F	luids	TANGIBI	LE COST	INT		
10	#1 T-	1000 3.5 gpm	Bit #:	#8		Conductor:	<u> </u>	Loc,Cost:		<u>\$ -</u>
47	SPM:		Size:	7 7/8"		Surf. Csg:	<u> </u>	Rig Move:		<u> </u>
12/15	#2 T-	1000 3.5 gpm	Туре:	DSX 199		Int. Csg:	<u> </u>	Day Rate:		\$ 18,500
10/24	SPM:	120	MFG:	HYC		Prod Csg:	<u> </u>	Rental Tools:		\$ 1,700
11	GPM:	420	S/N:	11302		Float Equp:	\$ -	Trucking:		<u> </u>
2	Press:	1300	Jets:	6 - 16		Well Head:	<u> </u>	Water:		<u> </u>
10	AV DC:	404	TD Out:			TBG/Rods:	\$ -	Fuel:		\$ 10,747
Tr	AV DP:	229	Depth in:	10688		Packers:	\$ -	Mud Logger:		\$ 1,000
9.0	JetVel:	89	FTG:	92		Tanks:	\$ -	Logging:		<u> </u>
.3/5.4	ECD:	9	Hrs:	15.5		Separator:	\$ -	Cement:		<u> </u>
1000	SPR #1 :	550 @ 45 spm	FPH:	5.9		Heater:	\$	Bits:		<u> </u>
100	SPR #2 :			15 - 25		Pumping L/T:	<u> </u>	Mud Motors:		\$ 2,000
4.7	Btm.Up:	49	R-RPM:	50		Prime Mover:	\$	Corrosion:		\$ 100
e Break Do		Total D.T.	M-RPM:	420		Misc:	\$ -	Consultant:		\$ 950
	TIME		Tota	l Rot. Hrs:	398.0	Daily Total:	\$ -	Drilling Mud:		\$ -
07:30	1:30	CHANGE BIT	& MUD M	OTOR - TRI	P IN TO DCs			Misc. / Labor:	<u> </u>	\$ 4,525
	1:30	SLIP & CUT D	RILLING	LINE				Csg. Crew:		<u> </u>
14:00	5:00	TRIP IN HOLE	E AND WA	ASH 2 JTS. T	O BTM NO	TIGHT HOLE		Daily Total:		\$ 39,522
15:30	1:30	DRLG, F/1068	38' T/1070)8' 20' 13.3	fph			Cum. Wtr:		\$ 24,277
								Cum. Fuel		\$ 94,422
	14:00							Cum. Bits:		\$ 60,675
									ВНА	
								PDC Bit	7 7/8"	1.00
								.13 Motor	6 1/2"	33.75
								21 - DC	6 1/2"	654.29
					سا اسا					
					Ti.	CENT				
	 					· · · · · · · · · · · · · · · · · · ·				
					DIV. OF O	ML CIES				
_										
								TOTAL BH	A =	689.0
							·	Survey	3°	10650'
 	24 00		_	. <u></u>				Survey	1	
055.10		I ITU:	80% 88	. 15% SH _ 50/	SLITST					458
									<u> </u>	1057
						3484'	· · · · · · · · · · · · · · · · · · ·			
	<u> </u>		M.							1426
	Operation 10780' \$0 10780' \$0 10 47 12/15 10/24 11 2 10 Tr 9.0 .3/5.4 1000 100 4.7 e Break Do END 07:30 09:00 14:00 15:30 16:00 06:00	10 #1 T- 47 SPM: 12/15 #2 T- 10/24 SPM: 11 GPM: 2 Press: 10 AV DC: Tr AV DP: 9.0 JetVel: .3/5.4 ECD: 1000 SPR #1: 100 SPR #2: 4.7 Btm.Up: e Break Down: END TIME 07:30 1:30 09:00 1:30 14:00 5:00 15:30 1:30 06:00 14:00	Operations: DRLG. 10780' Prog: 92 \$0 \$TMC: Frontier Drilling Rig 6 10 #1 T-1000 3.5 gpm 47 \$PM: 12/15 #2 T-1000 3.5 gpm 10/24 \$PM: 120 11 \$PM: 420 2 Press: 1300 10 AV DC: 404 Tr AV DP: 229 9.0 JetVel: 89 .3/5.4 ECD: 9 1000 \$PR #1: 550 @ 45 spm 100 \$PR #2: 550 @ 45 spm 4.7 Btm.Up: 49 e Break Down: Total D.T. END TIME 07:30 1:30 CHANGE BIT 09:00 1:30 SLIP & CUT D 15:30 1:30 DRLG. F/1068 16:00 0:30 RIG SERVICE 06:00 14:00 DRLG. F/1070 24:00	DPRLG. 10780' Prog: 92 D Hrs:	DPER Prog: 92 D Hrs: 15 1/2	DRLG. 10780' Prog: 92 D Hrs: 15 1/2 AV ROP: \$0 TMC: \$81,702	DRLG. 10780' Prog: 92 D Hrs: 15 1/2 AV ROP: 5.9	Operation Prog: 92 D Hrs: 15 1/2 AV ROP: 5.9 Formation: \$39,522 TMC: \$81,702 TDC: \$39,522 \$39,522 TDC: \$39	Operations: DRLG.	Operations Op



DAILY DRILLING REPORT

TIIS RIGE 5/6 43-013-32888

AFE # 40136

Well: G	CS 23-16	-11-16	Per.depth:	11598	Prog. dej	oth: 11737	Date: 10/0	9/2006	Days since	spud:	24
	Operatio		DRLG.								
	10938'		158	D Hrs:	23 1/2	AV ROP:	6.7	Formation:		Grassy	
Depth: DMC:	\$11,		TMC:	<i>B</i> 1110.	\$92,950		TDC:	\$35,408	CWC:	\$1,37	7,854
		ntier Drilli		Mud Co:	M-I Drlg. F		TANGIBI	E COST	INTA	NGIBLE COS	т
Contractor			1000 3.5 gpm	Bit #:	#8		Conductor:	\$ -	Loc,Cost:	\$	-
MW:	9.9 47	SPM:	000 3.5 gpiii	Size:	7 7/8"		Surf. Csg:	\$ -	Rig Move:	\$	-
VIS:			4000 2 E amm	Type:	DSX 199		Int. Csg:	\$ -	Day Rate:	\$	18,500
PV/YP:	15/20	#2 1- SPM:	1000 3.5 gpm 120	MFG:	HYC		Prod Csg:	\$ -	Rental Tools:	\$	1,700
Gel:	14/35		420	S/N:	11302		Float Equp:	\$ -	Trucking:	\$	_
WL:	10.4	GPM:	1300	Jets:	6 - 16		Well Head:	\$ -	Water:	\$	-
Cake:	1 10.4	Press:	404	TD Out:	0-10		TBG/Rods:	\$ -	Fuel:	\$	-
Solids:	10.4	AV_DC:			10688		Packers:	\$ -	Mud Logger:	\$	
Sand:	Tr	AV DP:	229	Depth In:	250		Tanks:	\$ -	Logging:	\$	
PH :	9.0	JetVel:	89	FTG:	39		Separator:	\$ -	Cement:		
Pf/Mf:	.3/4.9	ECD:	9	Hrs:					Bits:	\$	
Chlor:	1000	SPR #1 :	550 @ 45 spm		6.4		Heater:	\$ -	Mud Motors:	\$	
Ca:	100	SPR #2 :	550 @ 45 spm		15 - 25		Pumping L/T: Prime Mover:	 \$ -	Corrosion:	\$	·
Dapp ppb:	4	Btm.Up:	50	R-RPM:	50		 	\$ -	Consultant:	<u>*</u>	
Tim	e Break Do		Total D.T.	M-RPM:	420	421.5	Misc:	\$ -	Drilling Mud:	<u>*</u>	
START	END	TIME		<u> </u>	Rot. Hrs:	421.5	Daily Total:	4 -	Misc. / Labor:	\$	
06:00	17:30	11:30	DRLG. F/107					<u> </u>		\$	
17:30	18:00	0:30	RIG SERVICE						Csg. Crew: Daily Total:		35,408
18:00	06:00	12:00	DRLG. F/108	38' 1/1093	38' 100' 8.3	ipn					24,277
									Cum. Wtr:		94,422
			ļ	·					Cum. Fuel		60,675
**				·····					Cum. Bits:	BHA	00,010
		ļ	ļ						55 0 D'I	T	1.00
		<u> </u>							PDC Bit	7 7/8"	33.7
		<u> </u>							.13 Motor	6 1/2"	654.2
									21 - DC	6 1/2"	034.23
										 -	
		<u> </u>				RECEN	/ED			+	
		<u></u>				- 10 to 1 n	2000			-	
						UCTIU	ZUUb			 	
						. OF OIL, GAS	V-1.1 5-17		<u> </u>	++	
					Div	. OF OIL, GAC	at SV L				
				·					TOTAL BH	T	689.0
									Survey	3°	10650'
		24.00							Survey		
P/U	255 Ki	#	LITH:	60% SH	- 15% SS - 25	% COAL			BKG GAS		308
s/0	225 Ki		FLARE:	3' - 12'					CONN GAS	<u> </u>	778
ROT.	240 Ki		LAST CSG.R	AN:	8 5/8"	SET @	3484'		PEAK GAS		2196
FUEL	Used:	1392	On Hand:		4408	Co.Man	S.L.SEELY		TRIP GAS		



DAILY DRILLING REPORT

TIISRIGE S-16 43-013-32888

AFE # 40136

Well: (GCS 23-16	-11-16	Per.depth:	11598	Prog. de	pth: 11737	Date: 10/1	0/2006	Days since	spud:	25
Current	: Operatio	ns:	DRLG.						-	4.50	
Depth:		Prog:	117	D Hrs:	12	AV ROP:	9.8	Formation:		Sunnyside	
DMC:	\$3,2		TMC:		\$96,250)	TDC:	\$40,909	cwc:	\$1,4 1	8,763
Contractor	r: Fro	ntier Drilli	ng Rig 6	Mud Co:	M-I Drlg. F	luids	TANGIBL	E COST	INTA	NGIBLE CO	ST
MW:	10	#1 T-1	1000 3.5 gpm	Bit #:	#8	# 9	Conductor:	\$ -	Loc,Cost:		-
VIS:	57	SPM:		Size:	7 7/8"	7 7/8"	Surf. Csg:	\$ -	Rig Move:		<u>-</u>
PV/YP:	18/24	#2 T-1	1000 3.5 gpm	Type:	DSX 199	MKS 66	Int. Csg:	\$ -	Day Rate:		18,500
Gel:	15/41	SPM:	120	MFG:	HYC	VAREL	Prod Csg:	\$ -	Rental Tools:		1,700
WL:	9.2	GPM:	420	S/N:	11302	2877	Float Equp:	\$ -	Trucking:		-
Cake:	2	Press:	1300	Jets:	6 - 16	6 - 16	Well Head:	\$ -	Water:		-
Solids:	10	AV DC:	404	TD Out:	10960		TBG/Rods:	\$ -	Fuel:		-
Sand:	Tr	AV DP:	229	Depth in:	10688	10960	Packers:	\$ -	Mud Logger:		1,000
PH:	9.0	JetVel:	89	FTG:	272	95	Tanks:	\$ -	Logging:		
Pf/Mf:	.3/5.4	ECD:	9	Hrs:	43	8	Separator:	\$ -	Cement:		-
Chlor:	1000	SPR #1 :	550 @ 45 spm	FPH:	6.3	11.9	Heater:	\$ -	Bits:		8,500
Ca:	100	SPR #2 :	550 @ 45 spm	WOB:	15 - 30	15 - 25	Pumping L/T:	\$ -	Mud Motors:		2,000
Dapp ppb:	4.7	Btm.Up:	49	R-RPM:	50	50	Prime Mover:	\$ -	Corrosion:		100
Tim	ne Break Do	wn:	Total D.T.	M-RPM:	55	55	Misc:	\$ -	Consultant:		950
START	END	TIME		Total	Rot. Hrs:	433.5	Daily Total:	\$ -	Drilling Mud:		3,299
06:00	10:00	4:00	DRLG. F/109	38' T/1096	60' 22' 5.5 fp	oh			Misc. / Labor:		4,860
10:00	11:00	1:00	DROP SURV	EY & PUN	IP PILL				Csg. Crew:		-
11:00	16:00	5:00	TRIP OUT FO	R BIT - N	O TIGHT HO	DLE			Daily Total:		40,909
16:00	16:30	0:30	RIG SERVICE	E & FUNC	TION TEST	BOPs			Cum. Wtr:		24,277
16:30	17:00	0:30	CHANGE BIT	& MUD N	MOTOR				Cum. Fuel		94,422
17:00	21:30	4:30	TRIP IN HOLI	E					Cum. Bits:	,	69,175
21:30	22:00	0:30	BREAK CIRC	. & WASH	1 60' TO BTN	Л				BHA	
22:00	06:00	8:00	DRLG. F/109	60' T/1105	55' 95' 11.9	fph			PDC Bit	7 7/8"	1.00
									.13 Motor	6 1/2"	33.75
									21 - DC	6 1/2"	654.29
						may year and					
	1					The Collins					
						OCT 1 0 20	າດຕ				
							טעכ				
					DIV. (OF OIL, GAS A	11,3114 75				
									TOTAL BH	A =	689.04
									Survey	2 1/2°	10900'
		24.00							Survey		
P/U	255 K#		LITH:	80% SH -	10% SS - 10	% COAL			BKG GAS		88
S/O	225 K#		FLARE:						CONN GAS	<u> </u>	194
ROT.	240 K#		LAST CSG.RA	N:	8 5/8"	SET@	3484'		PEAK GAS		
FUEL	Used:	928	On Hand:		3480	Co.Man	S.L.SEELY		TRIP GAS		844



AFE # 40136

DAILY DRILLING REPORT TISRIBE S-16

43-013-32888 GPS N 40° 00.435' W 109° 49.510'

Well: G	SCS 23-16	-11-16	Per.depth:	11598	Prog. de	pth: 11737	Date: 10/1	1/2006	Days since	spud:	26
Current:	Operatio	ns:	TRIP IN WIT	H BIT #1	0					***	
Depth:	11110'	Prog:	55	D Hrs:	13 1/2	AV ROP:	4.1	Formation:		Sunnyside	
DMC:	\$1,4	81	TMC:		\$97,731		TDC:	\$39,495	CWC:	\$1,45	8,258
Contractor	: Fro	ntier Drilli	ng Rig 6	Mud Co:	M-I Drlg. F	luids	TANGIB	LE COST	INT	ANGIBLE CO	ST
MW:	10.2	#1 T-1	1000 3.5 gpm	Bit #:	#9	# 10	Conductor:	\$ -	Loc,Cost:		-
VIS:	55	SPM:		Size:	7 7/8"	7 7/8"	Surf. Csg:	\$ -	Rig Move:	4	-
PV/YP:	14/32	#2 T-	1000 3.5 gpm	Туре:	MKS 66	DSX 199	Int. Csg:	\$ -	Day Rate:		18,500
Gel:	15/35	SPM:	120	MFG:	VAREL	HYC	Prod Csg:	<u> </u>	Rental Tools:		1,700
WL:	9.4	GPM:	420	S/N:	2877	19339	Float Equp:	\$ <u>-</u>	Trucking:		<u> </u>
Cake:	1	Press:	1300	Jets:	6 - 16	6 - 16	Well Head:	\$ -	Water:		<u> </u>
Solids:	13	AV DC:	404	TD Out:	11110		TBG/Rods:	\$ -	Fuel:		10,493
Sand:	Tr	AV DP:	229	Depth In:	10960	11110	Packers:	\$ -	Mud Logger:		1,000
PH:	9.0	JetVel:	89	FTG:	150		Tanks:	\$ -	Logging:	9	-
Pf/Mf:	.2/5.2	ECD:	9	Hrs:	21.5		Separator:	\$ -	Cement:		-
Chlor:		SPR #1 :	550 @ 45 spm	FPH:	7.0		Heater:	\$ -	Bits:		3 -
Ca:	120	SPR #2 :	550 @ 45 spm		15 - 25		Pumping L/T:	\$ -	Mud Motors:		2,000
Dapp ppb:	4.4	Btm.Up:	50	R-RPM:	50		Prime Mover:	\$ -	Corrosion:		100
	e Break Do	wn:	Total D.T.	M-RPM:	55		Misc:	\$ -	Consultant:	•	950
START	END	TIME	1	Tota	l Rot. Hrs:	447.0	Daily Total:	\$ -	Drilling Mud:		1,481
06:00	15:00	9:00	DRLG. F/110	55' T/1109	90' 35' 3.9 fp	oh			Misc. / Labor:		3,271
15:00	15:30	0:30	RIG SERVICE						Csg. Crew:		<u>-</u>
15:30	20:00	4:30	DRLG. F/1109						Daily Total:		39,495
20:00	20:30	0:30	PUMP PILL						Cum. Wtr:		24,277
20:30	01:00	4:30	TRIP OUT FO	OR BIT - N	IO TIGHT HO	DLE			Cum. Fuel		104,915
01:00	01:30	0:30	CHANGE BIT						Cum. Bits:		\$ 69,175
01:30	06:00	4:30	TRIP IN WITH	H BIT #10						ВНА	
	33,33								PDC Bit	7 7/8"	1.00
									.13 Motor	6 1/2"	33.75
									21 - DC	6 1/2"	654.29
						DEC	EIVED				
						HEU	EIVED				
						OCT 1	1 2006				
		†				DIV. OF OIL,	GAS & MINING	1			
		-							TOTAL BH	A =	689.04
									Survey	2 1/2°	10900'
		24.00							Survey		
P/U	255 K#		LITH:	90%SS -	10% SH		** .		BKG GAS		53
S/O	235 K#		FLARE:	30,,000					CONN GAS	3	183
ROT.	240 K#		LAST CSG.RA	N:	8 5/8"	SET @	3484'		PEAK GAS		
IKU I.	240 NH		On Hand:		6032	Co.Man	S.L.SEELY		TRIP GAS	. "	



DAILY DRILLING REPORT

AFE # 40136

TISA16E 5-16 43-013-32888

									1		
Well: C	SCS 23-16	-11-16	Per.depth:	11598	Prog. de	pth: 11737	Date: 10/1	2/2006	Days since	spud:	27
Current	Operatio	ns:	DRLG.					_			····
Depth:	11442'	Prog:	332	D Hrs:	23 1/2	AV ROP:	14.1	Formation:	<u> </u>	(enilworth	
DMC:	\$1,0	83	TMC:		\$98,904	1	TDC:	\$30,975	CWC:	\$1,48	9,233
Contractor	: Fro	ntier Drilli	ng Rig 6	Mud Co:	M-I Drlg. F	luids	TANGIB	LE COST	INT	ANGIBLE CO	ST
MW:	10.2	#1 T-1	1000 3.5 gpm	Bit #:	# 10		Conductor:	\$ -	Loc,Cost:		
VIS:	49	SPM:		Size:	7 7/8"		Surf. Csg:	\$ -	Rig Move:	9	<u> </u>
PV/YP:	17/22	#2 T-	1000 3.5 gpm	Туре:	DSX 199		Int. Csg:	<u>\$</u> -	Day Rate:		18,500
Gel:	15/35	SPM:	120	MFG:	HYC		Prod Csg:	\$ -	Rental Tools:		1,700
WL:	9.4	GPM:	420	S/N:	19339		Float Equp:	\$ -	Trucking:		
Cake:	1	Press:	1300	Jets:	6 - 16		Well Head:	\$ -	Water:	9	
Solids:	13	AV DC:	404	TD Out:			TBG/Rods:	<u> </u>	Fuel:		
Sand:	Tr	AV DP:	229	Depth In:	10960		Packers:	\$ -	Mud Logger:	\$	1,000
PH:	9.0	JetVel:	89	FTG:	332	<u> </u>	Tanks:	\$ -	Logging:		
Pf/Mf:	.2/6.4	ECD:	9	Hrs:	23.5	<u> </u>	Separator:	\$ -	Cement:		
Chlor:	1000	SPR #1 :	550 @ 45 spm	FPH:	14.1		Heater:	<u> </u>	Bits:		
Ca:	120	SPR #2 :	550 @ 45 spm	WOB:	15 - 25		Pumping L/T:	<u> </u>	Mud Motors:		2,000
Dapp ppb:	5.1	Btm.Up:	52	R-RPM:	50		Prime Mover:	\$ -	Corrosion:		100
Tim	e Break Do	wn:	Total D.T.	M-RPM:	55		Misc:	<u> </u>	Consultant:		950
START	END	TIME		Tota	Rot. Hrs:	470.5	Daily Total:	\$ -	Drilling Mud:		1,083
06:00	14:30	8:30	DRLG. F/111	10' T/1121	17' 107' 12 <u>.</u> 0	6 fph			Misc. / Labor:		5,642
14:30	15:00	0:30	RIG SERVICE	& FUNC	TION TEST	BOPs			Csg. Crew:		<u>-</u>
15:00	06:00	15:00	DRLG. F/112	17' T/1144	12' 225' 15.	0 fph			Daily Total:		30,975
									Cum. Wtr:		24,277
								*	Cum. Fuel		104,915
									Cum. Bits:		69,175
									<u> </u>	BHA	
						<u></u>			PDC Bit	7 7/8"	1.00
									.13 Motor	6 1/2"	33.75
									21 - DC	6 1/2"	654.29
						RECEIV	Fn-				
						OCT 12 20	006				
					R TT	OF AU TOTAL		"	 	 	
					DIV.	OF OIL, GAS &	MINING			 	
				· 			***				<u> </u>
						 			TOTAL BH	7 ··· · · · · · · · · · · · · · · · · ·	689.04
					·				Survey	2 1/2°	10900'
		24.00				<u>.</u>			Survey		
P/U	255 K#	£	LITH:	40% SS -	20% SH - 40	% SLTST			BKG GAS		210
S/O	225 K#	į.	FLARE:	12' ON T	RIP			·	CONN GAS	<u> </u>	900
ROT.	240 K#	ŧ	LAST CSG.RA	N:	8 5/8"	SET @	3484'		PEAK GAS		3696
FUEL	Used:	1276	On Hand:		4756	Co.Man	S.L.SEELY		TRIP GAS		2843



FUEL

Used:

1276

On Hand:

GASCO ENERGY

DAILY DRILLING REPORT

CONTINAL TILS RIGE SA 43-013-32888 GPS N 40° 00.435' W 109° 4

I 40° 00.435' W 109° 49.510' **AFE # 40136** Well: GCS 23-16-11-16 Per.depth: 11598 Prog. depth: 11737 Date: 10/13/2006 Days since spud: 28 DRLG. **Current: Operations:** 10.7 11694' | Prog: D Hrs: 23 1/2 AV ROP: Formation: Aberdeen 252 Depth: \$1,523,293 TDC: \$34,060 cwc: TMC: \$100,697 \$1,792 DMC: **TANGIBLE COST INTANGIBLE COST** Frontier Drilling Rig 6 M-I Drlg. Fluids Mud Co: Contractor: \$ \$ Loc,Cost: 10.2 Bit #: # 10 Conductor: MW: #1 T-1000 3.5 gpm \$ 7 7/8" Surf. Csg: Rig Move: 46 Size: VIS: SPM: \$ \$ 18,500 **DSX 199** Day Rate: Int. Csg: 14/32 #2 T-1000 3.5 gpm PV/YP: Type: \$ 1,700 HYC Prod Csg: \$ Rental Tools: 15/35 120 MFG: SPM: Gel: \$ 420 19339 \$ Trucking: Float Equp: 9.4 GPM: S/N: WL: 4,403 1300 6 - 16Well Head: \$ Water: \$ 1 Jets: Press Cake: \$ 404 TBG/Rods: Fuel: 13 AV DC: TD Out: Solids: 1,000 \$ \$ Tr 229 10960 Packers: Mud Logger: Depth In: Sand: AV DP: \$ \$ 9.0 JetVel: 89 FTG: 734 Tanks: Logging: PH: \$ 47 Separator: \$ Cement: .2/5.2 ECD: 9 Pf/Mf: Hrs: \$ \$ 1000 SPR #1 : 550 @ 45 spm FPH: 15.6 Heater: Bits: Chlor: 2,000 \$ 15 - 25 **Mud Motors:** Pumping L/T: Ca: 120 SPR #2: 550 @ 45 spm woв: 50 \$ \$ 100 Prime Mover: Corrosion: 49 R-RPM: Btm.Up: Dapp ppb: 950 \$ Consultant: \$ Time Break Down: Total D.T. M-RPM: 55 Misc: 1,792 \$ 494.0 Drilling Mud: TIME Total Rot. Hrs: Daily Total: **START** END 3.615 \$ DRLG, F/11442' T/11503' 61' 8.7 fph Misc. / Labor: 06:00 13:00 7:00 \$ 13:30 0:30 RIG SERVICE & FUNCTION TEST BOPs Csg. Crew: 13:00 \$ 34,060 DRLG, F/11503' T/11694' 191' 11.6 fph Daily Total: 13:30 06:00 16:30 \$ 28,680 Cum. Wtr: \$104,915 Cum. Fuel \$ 69,175 Cum. Bits: **BHA** 7 7/8" 1.00 PDC Bit 6 1/2" 33.75 13 Motor 6 1/2" 654.29 21 - DC RECEIVED OCT 1 3 2006 DIV. OF OIL. GAS & MINING 689.04 TOTAL BHA = 2 1/2° 10900' Survey 24.00 Survey **BKG GAS** 102 LITH: 20% SS - 70% SH - 10% SLTST P/U 255 K# **CONN GAS** 1127 S/O 225 K# FLARE: 1127 **PEAK GAS** 8 5/8" 3484' LAST CSG.RAN: SET@ ROT. 240 K#

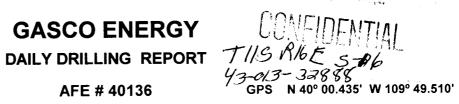
3480

Co.Man

S.L.SEELY

TRIP GAS





Well: 0	SCS 23-16	-11-16	Per.depth:	11598	Prog. de	pth: 11737	Date: 10/1	4/2006	Days since	spud:	29
	Operatio		LOGGING						_		
Depth:		Prog:	61	D Hrs:	3	AV ROP:	20.3	Formation:	F	Aberdeen	
DMC:	\$0		TMC:		\$100,69	7	TDC:	\$25,705	CWC:		
Contractor	: Fro	ntier Drillir	ng Rig 6	Mud Co:	M-I Drlg. F	luids	TANGIBL	E COST	INTA	NGIBLE CO	ST
MW:	10.2		1000 3.5 gpm	Bit #:	# 10		Conductor:	\$ -	Loc,Cost:		\$ -
VIS:		SPM:		Size:	7 7/8"		Surf. Csg:	\$ -	Rig Move:		\$ -
PV/YP:	14/32	#2 T-1	1000 3.5 gpm	Туре:	DSX 199		Int. Csg:	\$ -	Day Rate:		\$ 18,500
Gel:		SPM:	120	MFG:	HYC		Prod Csg:	\$ -	Rental Tools:		\$ 1,700
WL:	9.4	GPM :	420	S/N:	19339		Float Equp:	\$ -	Trucking:		\$ 905
Cake:	1	Press:	1900	Jets:	6 - 16		Well Head:	\$ -	Water:		\$ -
Solids:	13	AV DC:	404	TD Out:	11755		TBG/Rods:	\$ -	Fuel:	(\$
Sand:	Tr	AV DP:	229	Depth In:	11110		Packers:	\$ -	Mud Logger:		\$ <u>-</u>
PH:	9.0	JetVel:	89	FTG:	645		Tanks:	\$ -	Logging:		\$ <u> </u>
Pf/Mf:	.2/5.2	ECD:	9	Hrs:	50		Separator:	\$ -	Cement:	;	\$ -
Chlor:	1000	SPR #1 :	550 @ 45 spm	FPH:	12.9		Heater:	\$ -	Bits:		\$ -
Ca:	120	SPR #2 :	550 @ 45 spm	WOB:	15 - 25		Pumping L/T:	\$ -	Mud Motors:		\$ -
Dapp ppb:	4.4	Btm.Up:	50	R-RPM:	50		Prime Mover:	\$ -	Corrosion:		<u> </u>
Tim	e Break Do	wn:	Total D.T.	M-RPM:	55		Misc:	\$ -	Consultant:		\$ 950
START	END	TIME		Tota	Rot. Hrs:	497.0	Daily Total:	\$ -	Drilling Mud:		\$ -
06:00	08:00	2:00	DRLG. F/116	94' T/1172	26' 32' 16.0	fph			Misc. / Labor:		\$ 3,650
08:00	08:30	0:30	RIG SERVICE	E & FUNC	TION TEST	BOPs			Csg. Crew:		\$ -
08:30	09:30	1:00	DRLG. F/1172	26' T/1175	55' 29' 29.0	fph			Daily Total:		\$ 25,705
09:30	11:00	1:30	CIRC. & CON	D. FOR S	HORT TRIP				Cum. Wtr:		\$ 28,680
11:00	12:30	1:30	SHORT TRIP	10 STDS	NO TIGH	T HOLE			Cum. Fuel		\$ 104,915
12:30	14:00	1:30	CIRC. & CON	D. FOR L	OGGING				Cum. Bits:		\$ 69,175
14:00	14:30	0:30	DROP SURV	EY & PUN	/IP PILL					BHA	
14:30	20:30	6:00	TRIP OUT FO	OR LOGG	ING				PDC Bit	7 7/8"	1.00
20:30	21:00	0:30	RIG UP PHO	ENIX LOC	GING & HO	LD SAFETY I	MEETING		.13 Motor	6 1/2"	33.75
21:00	06:00	9:00	LOGGING TF	RIPLE CO	MBO - HAD	TO MAKE TV	VO RUNS TO	CONFIRM	21 - DC	6 1/2"	654.29
			DATA - LOGO	GERS TD	11759'	RE	CEIVEE			 -	,
								<u> </u>	<u> </u>		
						00	T 1 6 2006				
						TWY C.					
						DIV. OF A	ALL A MEN	ING			
					TD @ 9:30	AM 10/13/06	<u> </u>			<u>]</u>	
									TOTAL BHA		689.04
				RELI	EASED MUD	LOGGERS 1	10/13/06		Survey	2 1/2°	10900'
		24.00							Survey	<u> </u>	·
P/U	255 K#		LITH:	60% SS -	30% SH - 10	% SLTST	<u> </u>		BKG GAS		101
S/O	225 K#	!	FLARE:						CONN GAS		264
ROT.	240 K#	ł	LAST CSG.RA	N:	8 5/8"	SET @	3484'		PEAK GAS		
FUEL	Used:	812	On Hand:		2668	Co.Man	S.L.SEELY		TRIP GAS		3441



DAILY DRILLING REPORT

CONFIDENTIAL TIIS RIGE S-K 43-013-32888

AFE # 40136

Well: 0	GCS 23-16	-11-16	Per.depth:	11598	Prog. de	pth: 11737	Date: 10/1	5/2006	Days since	spud:	30
	: Operatio		RIG UP TO I		2" CSG.						
Depth:	11755'		0	D Hrs:	0	AV ROP:	#DIV/0!	Formation:	Δ	berdeen	
DMC:	\$9		TMC:		\$102,08	0	TDC:	\$46,944	CWC:	\$1,59	5,942
Contractor	r: Fro	ntier Drilli	ng Rig 6	Mud Co:	M-I Drlg. F	luids	TANGIBL	E COST	INTA	NGIBLE COS	3T
MW:	10.2	#1 T-1	1000 3.5 gpm	Bit #:			Conductor:	\$ -	Loc,Cost:	\$	-
VIS:	55	SPM:		Size:			Surf. Csg:	\$ -	Rig Move:	\$	
PV/YP:	14/32	#2 T-	1000 3.5 gpm	Туре:			Int. Csg:	\$ -	Day Rate:	\$	18,500
Gel:	15/35	SPM:		MFG:			Prod Csg:	\$ -	Rental Tools:	\$	1,700
WL:	9.4	GPM:		S/N:			Float Equp:	\$ -	Trucking:	\$	<u> </u>
Cake:	1	Press:		Jets:			Well Head:	\$ -	Water:	\$	<u> </u>
Solids:	13	AV DC:		TD Out:			TBG/Rods:	\$ -	Fuel:	\$	5,473
Sand:	Tr	AV DP:		Depth In:			Packers:	\$ -	Mud Logger:	\$	<u> </u>
PH :	9.0	JetVel:		FTG:			Tanks:	\$ -	Logging:	\$	17,500
Pf/Mf:	.2/5.2	ECD:		Hrs:			Separator:	<u> </u>	Cement:	\$	
Chlor:	1000	SPR #1 :		FPH:	#DIV/0!		Heater:	\$ -	Bits:	\$	
Ca:	120	SPR #2 :		WOB:			Pumping L/T:	\$ -	Mud Motors:	\$	
Dapp ppb:	4.4	Btm.Up:		R-RPM:			Prime Mover:	<u> </u>	Corrosion:	\$	
Tim	ne Break Do	wn:	Total D.T.	M-RPM:			Misc:	<u> </u>	Consultant:	\$	
START	END	TIME		Tota	l Rot. Hrs:		Daily Total:	\$ -	Drilling Mud:	\$	
06:00	08:30	2:30	LOGGING W	ITH PHOE	ENIX - TRIPL	E COMBO			Misc. / Labor:	\$	2,631
08:30	15:00	6:30	TRIP IN TO C	OND.FO	R 4 1/2" CSG).			Csg. Crew:	\$	
15:00	15:30	0:30	WASH 90' TO	BTM.					Daily Total:	\$	· · ·
15:30	17:00	1:30	CIRC. & CON	ID.			· •·-		Cum. Wtr:		28,680
17:00	04:30	11:30	R U WEATHE						Cum. Fuel		110,388
04:30	06:00	1:30	PULL REAR	BUSHING	, SAFETY M	EETING & R	U CASING CF	REW	Cum. Bits:	\$	77,675
										BHA	
							····				
						RECEIV	<u>ED</u>			 	
						OCT 1 6 /	onne		ļ		
						001 107				 	
		ļ			- DIV	OF OIL, GAS	& MINING				
					011	'				 	
									<u> </u>	 	
		ļ							TOTAL BHA	<u>, = </u>	0.00
	ļ			-				<u> </u>	Survey	 -	
		24.00	<u> </u>						Survey		· · ·
P/U	K#	<u> </u>	LITH:						BKG GAS		
S/O	K#	<u> </u>	FLARE:					 - -	CONN GAS		
ROT.	K#	<u> </u>	LAST CSG.RA	AN:	8 5/8"	SET @	3484'		PEAK GAS		
FUEL	Used:		On Hand:			Co.Man	S.L.SEELY		TRIP GAS		



DAILY DRILLING REPORT



TIIS RIGE SHO 43-013-32888

AFE # 40136

Well: 0	GCS 23-16	5-11-16	Per.depth:	11598	Prog. de	pth: 11737	Date: 10/1	6/2006	Days since	spud:	31
Current	: Operatio	ns:	RIGGING DO	NWC		***					
Depth:	11755'	Prog:	0	D Hrs:	0	AV ROP:	#DIV/0!	Formation:	Δ	berdeen	
DMC:	\$0)	TMC:		\$102,08	0	TDC:	\$285,739	CWC:	\$1,88	1,681
Contractor	r: Fro	ntier Drillin	ng Rig 6	Mud Co:	M-I Drlg. F	luids	TANGIBL	E COST	INTA	NGIBLE COS	ST .
MW:		#1 T-1	1000 3.5 gpm	Bit #:			Conductor:	\$ -	Loc,Cost:	\$	-
VIS:		SPM:		Size:			Surf. Csg:	\$ -	Rig Move:	\$	-
PV/YP:		#2 T-1	1000 3.5 gpm	Туре:			Int. Csg:	\$ -	Day Rate:	\$	
Gel:		SPM:		MFG:			Prod Csg:	\$ 176,280	Rental Tools:	\$	1,700
WL:		GPM:		S/N:			Float Equp:	\$ -	Trucking:	\$	-
Cake:		Press:		Jets:			Well Head:	\$ 1,387	Water:	\$	-
Solids:		AV DC:		TD Out:			TBG/Rods:	\$ -	Fuel:	\$	_
Sand:		AV DP:		Depth In:			Packers:	\$ -	Mud Logger:	\$	_
PH:		JetVel:		FTG:			Tanks:	\$ -	Logging:	\$	_
Pf/Mf:		ECD:		Hrs:			Separator:	\$ -	Cement:	\$	61,183
Chlor:		SPR #1 :		FPH:	#DIV/0!		Heater:	\$ -	Bits:	\$	-
Ca:		SPR #2 :		WOB:			Pumping L/T:	\$ -	Mud Motors:	\$	
Dapp ppb:		Btm.Up:		R-RPM:			Prime Mover:	\$ -	Corrosion:	\$	-
Tim	ne Break Do	wn:	Total D.T.	M-RPM:			Misc:	\$ -	Consultant:	\$	950
START	END	TIME		Tota	l Rot. Hrs:		Daily Total:	\$ 177,667	Drilling Mud:	\$	-
06:00	12:30	6:30	RAN 280 JTS	. 4 1/2" 13	3.5# P-110 S	T&C WITH DI	FF. FILL SHC	E & FLOAT	Misc. / Labor:	\$	2,763
12:30			SET @ 11,75	4' FLOAT	<u> </u>	TOTAL 11,75	57' - (1 SHOE	JT.)	Csg. Crew:	\$	22,976
0			NO TIGHT H	OLE GOIN	IG IN				Daily Total:	\$	285,739
12:30	15:30	3:00	CIRC. & CON	D. FOR C	CMT.				Cum. Wtr:	\$	28,680
15:30	19:00	3:30	R U SCHLUM	BERGER	& PUMP 20	B CW100 AF	IEAD OF LEA	D - 585 Sk	Cum. Fuel		110,388
19:00			Hi-Lift WT. 1	1.5 YIELD	3.04 316 B	- TAIL 1150 S	Sk 50/50 Poz	WT 14.1	Cum. Bits:	\$	77,675
0			YIELD 1.28 2	269 B - DF	ROP PLUG &	DISP.WITH	174 B KCL W	ATER - HAD		BHA	
0			FULL RET. T	HRU OUT	JOB - BUM	PED PLUG W	/ITH 600 PSI (OVER -			
0			FLOATS HEL	D - 10 B (OF SPACER	CONTAMINA	TED CMT. TO	SURF.		LL	*****
0			CMT. IN PLA	CE @ 18:	45 PM 10/15	/06					
19:00	20:00	1:00	LANDED CS	G. IN WEL	LHEAD W/1	30K ON HAN	GER				
20:00	03:00	7:00	CLEAN MUD	TANK & !	NIPPLE DOV	VN					
03:00	06:00	3:00	RIGGING DO	WN						<u> </u>	
				RIG	RELEASED	@ 03:00AM 1	0/16/06			<u> </u>	
						RE	CEIVED)	TOTAL BHA	<u>, = </u>	0.00
							- 1		Survey		
		24.00				UL	T 1 6 2006		Survey		
P/U	K#	‡	LITH:			חוע סב כ	OIL, GAS & MIN	IING	BKG GAS		
S/O	K#		FLARE:			DIV. OF C	AL, CHO CIVITY	IIIYU	CONN GAS		
ROT.	K#		LAST CSG.RA	N:	4 1/2"	SET @	11754' RKB		PEAK GAS		
FUEL	Used:		On Hand:			Co.Man	S.L.SEELY		TRIP GAS		



DAILY DRILLING REPORT

AFE # 40136

CONFIDENTIAL TIS RIGE 5-16 43-013-33888 GPS N 40° 00.435° W 109° 49.510'

				11598	Prog. de	pth: 11737	Date: 10/1	7/2006	Days since	spud:	32
Current	: Operatio	ns:	RIGGING DO	NWC							
Depth:	11755'	Prog:	0	D Hrs:	0	AV ROP:	#DIV/0!	Formation:	P	berdeen	
DMC:	\$0)	TMC:		\$102,08	0	TDC:	\$17,950	CWC:	\$1,89	9,631
Contractor	r: Fro	ntier Drillir	ng Rig 6	Mud Co:	M-I Drig. F	luids	TANGIBL	E COST	INTA	NGIBLE CO	ST .
MW:		#1 T-1	1000 3.5 gpm	Bit #:			Conductor:	\$ -	Loc,Cost:	\$	-
VIS:		SPM:		Size:			Surf. Csg:	\$ -	Rig Move:	\$	_
PV/YP:		#2 T-1	1000 3.5 gpm	Type:			Int. Csg:	\$ -	Day Rate:	\$	16,500
Gel:		SPM:		MFG:			Prod Csg:	\$ -	Rental Tools:	\$	500
WL:		GPM:		S/N:			Float Equp:	\$ -	Trucking:	\$	-
Cake:		Press:		Jets:			Well Head:	\$ -	Water:	\$	-
Solids:		AV DC:		TD Out:			TBG/Rods:	\$ -	Fuel:	\$	-
Sand:		AV DP:		Depth In:			Packers:	\$ -	Mud Logger:	\$	-
PH:		JetVel:		FTG:			Tanks:	\$ -	Logging:	\$	-
Pf/Mf:		ECD:		Hrs:			Separator:	\$ -	Cement:	\$	-
Chlor:		SPR #1 :		FPH:	#DIV/0!		Heater:	\$ -	Bits:	\$	-
Ca:		SPR #2 :		WOB:			Pumping L/T:	\$ -	Mud Motors:	\$	-
Dapp ppb:		Btm.Up:		R-RPM:			Prime Mover:	\$ -	Corrosion:	\$	_
	e Break Do	wn:	Total D.T.	M-RPM:			Misc:	\$ -	Consultant:	\$	950
START	END	TIME		Total	Rot. Hrs:		Daily Total:	\$ -	Drilling Mud:	\$	-
06:00	18:00	12:00	RIGGING DO	WN - LOV	VERED SUB	& DERRICK	- PULL ELEC	T. LINES	Misc. / Labor:	\$	-
			WILL HAVE T	RUCKS T	ODAY				Csg. Crew:	\$	-
									Daily Total:	\$	17,950
									Cum. Wtr:	\$	28,680
									Cum. Fuel		110,388
									Cum. Bits:		77,675
										ВНА	
			1								
							CEIVED)			
			1								
				-		00	T 1 8 2006				
									TOTAL BHA	\ =	0.00
						JV. GF (OIL, GAS & MIN	IING	Survey		
		24.00							Survey		
P/U	K#	<u> </u>	LITH:						BKG GAS		
S/O	K#		FLARE:						CONN GAS		
ROT.	K#		LAST CSG.RA	.N:	8 5/8"	SET @	3484'		PEAK GAS		
FUEL	Used:		On Hand:			Co.Man	S.L.SEELY		TRIP GAS		



GASCO ENERGY

DAILY DRILLING REPORT

AFE # 40136

TIIS RIGE 5-16 43-013-32488

GPS N 40° 00.435' W 109° 49.510'

Well: (GCS 23-16	-11-16	Per.depth:			pth: 11737	Date: 10/1	8/2006	Days since	spud:	33
Current: Operations:		MOVE RIG	OFF LOC	. TO Fed. 2	3-13						
Depth:	11755'	Prog:	0	D Hrs:	0	AV ROP:	#DIV/0!	Formation:	Α	berdeen	
DMC:	\$()	TMC:		\$102,08	0	TDC:	\$17,950	CWC:	\$1,91	7,581
Contracto	r: Fro	ontier Drilli	ng Rig 6	Mud Co:	M-I Drlg. F	luids	TANGIBL	E COST	INTA	NGIBLE CO	ST
MW:		#1 T-1	1000 3.5 gpm	Bit #:			Conductor:	\$ -	Loc,Cost:	\$	-
VIS:		SPM:		Size:			Surf. Csg:	\$ -	Rig Move:	\$	-
PV/YP:		#2 T-	1000 3.5 gpm	Туре:			Int. Csg:	\$ -	Day Rate:	\$	16,500
Gel:		SPM:		MFG:			Prod Csg:	\$ -	Rental Tools:	\$	500
WL:		GPM :		S/N:			Float Equp:	\$ -	Trucking:		-
Cake:		Press:		Jets:			Well Head:	\$ -	Water:		<u> </u>
Solids:		AV DC:		TD Out:			TBG/Rods:	\$ -	Fuel:		5 -
Sand:		AV DP:		Depth In:			Packers:	\$ -	Mud Logger:	\$	
PH :		JetVel:		FTG:			Tanks:	\$ -	Logging:	\$	-
Pf/Mf:		ECD:		Hrs:			Separator:	\$ -	Cement:		-
Chlor:		SPR #1 :		FPH:	#DIV/0!		Heater:	\$ -	Bits:		-
Ca:		SPR #2 :		WOB:			Pumping L/T:	\$ -	Mud Motors:		
Dapp ppb:		Btm.Up:		R-RPM:			Prime Mover:	\$ -	Corrosion:		
Tim	ne Break Do	wn:	Total D.T.	M-RPM:			Misc:	\$ -	Consultant:		950
START	END	TIME		Total	Rot. Hrs:		Daily Total:	\$ -	Drilling Mud:		<u> </u>
06:00	18:00	12:00	RIG DOWN A	ND LOAD	OUT RIG -	WILL MOVE	OFF LOC. TO	DAY	Misc. / Labor:	9	-
			WEATHER P	ERMITTIN	IG				Csg. Crew:		-
									Daily Total:	\$	17,950
					LAST	REPORT			Cum. Wtr:		28,680
						<u></u>			Cum. Fuel		110,388
									Cum. Bits:		77,675
										ВНА	
						R	ECEIVE	D	ļ		
						0	CT 1 8 200	<u> </u>		<u> </u>	
						<u> </u>	~~~	Ikliki<i>C</i>•	TOTAL BHA	=	0.00
						DIV. OF	OIL, GAS & M	INING	Survey		
		24.00					·		Survey		
P/U	K#		LITH:						BKG GAS		
S/O	K#		FLARE:						CONN GAS		
ROT.	K#	l	LAST CSG.RA	N:	8 5/8"	SET @	3484'		PEAK GAS		
FUEL	Used:		On Hand:			Co.Man	S.L.SEELY		TRIP GAS		

GASCO PRODUCTION CO Gate Canyon State 23-16-11-16

Drlg CWC: \$1,917,581

Const and tk battery DC: \$88075

11/6/06 Rig up JW W:

Rig up JW Wireline and run CCL/Gama/Bond log. Shows good bond from

PBTD to 100' above surface shoe. (CR) DC \$ 5500 CC \$2,011,156

11/13/06 Rig up B&C quick test and pressure test well to 9500 psi. Tested good.

(CR) DC \$ 1280 CC \$2,012,436

11/30/06 Rig up BWWC and RIH w/ guns for stage #1. Perf Desert/Grassy @ 10,770-74', 10,874-78'. Rig up BJ pumping services, pressure test and prime pumps. Break down perfs @ 5239 psi @ 2.6 BPM, calculate shots

open 18/32, ISIP 4450, FG .85. Shut down due to air systems freezing up on pumps 209 bbls into pad stage. Make repairs to pumps and discover that cross linker was mixed wrong. Gel was breaking in 10 min. Turn well

over to flowback and SDFD. (CR)

12/1/06 Well flowing this AM @ 400 psi on 12/64 ck, flowed 290 bbls in 14 hrs.

TA 290, BLWTR 276. Start Equipment and thaw out chemicals. Hybrid frac well w/ 1276 bbls of 20# linear and 18# XL fluid and 19,000# of 20/40 white sand and 41,000# 20/40 Opti Prop sand. Flush well w/ 159.7 bbls, ISIP 5760, FG .96. Close well in and rig up wireline. RIH w/ plug and guns for stage # 2 Lower Mesaverde I, set 8k FTFP #1 @ 10,453' and pressure test plug to 5000 psi, hold 4000 psi on well and perf from 10,434-38', 10,401-404', 10,257-60'. Break down perfs @ 4122 psi @ 2.6 bpm, shots open 28/30, ISIP 4050, FG .83. Hybrid frac well w/ 2627 bbls of 20# linear gel and 18# XL gel and 45,000# of 20/40 white sand, 67,000# of 20/40 Temp HS, and 29,000 # of 20/40 Opti Prop sand. Flush

well w/ 151 bbls, ISIP 4560, FG .87. Turn well over to flow back @ 5:00 pm on a 10/64 ck @ 4200 psi (CR)

12/2/06 Well flowing this AM @ 2300 psi on a 14/64 ck, flowed 1175 bbls in 14

hrs. TA 1465, BLWTR 3004. Close well in and RIH w/ plug and guns. Set 8k FTFP #2 @ 10,150' and pressure test to 3700 psi. Bleed down to 2700 psi and perf Lower Mesaverde II @ 10,132-35', 10,068-71', 10,017-19', 9936-38', 9908-10'. Break down perfs @ 4498 psi @ 1.7 BPM, ISIP 4100, FG .84. Hybrid frac well w/ 3397 bbls of 20 # linear gel and 18# XL gel using 77,000 # of 20/40 white sand and 97,848# of 20/40 Optiprop sand. Flush well w/ 145.8 bbls. ISIP 4250, FG .86. Turn well over to flowback for clean up @ 11:20 @ 4000 psi on a 12/64 ck. Well cleaned up @ 2:00 pm, close well in and RIH w/ plug and guns. Set 8k FTFP #3 @ 9802' and pressure test to 5000 psi. Bleed down to 3700 psi and perforate stage #4 Lower Mesaverde III @ 9784-87', 9760-63', 9728-30', 9705-07'. Fd 3587 SICP. Broke dn perfs @ 6000 @ 6.3 bpm. ISIP

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3830. FG .84. Calc 15 holes open / 30. Hybrid fraced stg 4 w/ 120,000# 20-40 white sd, and 156,068# 20-40 Optiprop, using 5232 bbls Lightning 18# gel. ISIP 4250. FG .87. Shut well in and RIH w/ plug and guns to perf Stage 5, Upper Mesaverde. Set 8K FTFP #4 @ 9035'. Psi test plug to 5000 psi, ok. Perforated f/ 8406 – 09', 9015 – 20', 3 spf. Fd 3675 SICP. Broke dn perfs @ 7507 psi @ 4.5 bpm. ISIP 4085. FG .90. Calc 16 holes open / 24. Had to SD after Linear gel. X-linker only pumping at ½ the rate needed. Down for 15 min. Hybrid fraced w/ 36,000# 20-40 white sd, and 48533# 20-40 Optiprop, using 2181 bbls Lightning 18# and linear gel. Flushed well w/ 123.5 bbls. ISIP 4400. FG .94. Came up 11,400# short on sand on this last stage. X-linker quit again right at end of job. Opened well up to FB @ 10:00 pm, ON 12/64" CK, w/ 4000 SICP. 7:00 AM 12/2/06, well flowing back w/ 2700 FCP on 16/64" ck. Made 1142 bbls in 11.5 hrs. TR 2607. BLWTR 12672. (CR and SCE) DC (excluding Wireline) \$640,000 CC \$2,652,436

Note: didn't sign tickets yet, due to lost day and freezing problems, to be discussed (SCE)

- 12/3/06 Well flg this AM w/ 1350 FCP on 16/64" ck. Made 1995 bbls in 24 hrs. TR 4602. BLWTR 10677.
- 12/4/06 Well flg this AM w/ 800 FCP on 16/64" ck. Made 1091 bbls in 24 hrs. TR 5693. BLWTR 9586.

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DEC 0 4 2006

X Subsequent Report

Final Abandonment Notice

UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

FORM	APPROVED

OMB No. 1004- 0137

Well Integrity

Expires: March 31, 2007

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.

Altering Casing

asing Repair

Convert to Injection

Lease Serial INO.	
ML-46301	

If Indian, Allottee, or Tribe Name

aband	NA			
SUBMIT IN TR	7. If Unit or CA. Agreement Name and/or No. UTU-80986X			
Type of Well Oil Well X Gas Well	8. Well Name and No.			
2. Name of Operator			Gate Canyon State 23-16-11-16	
Gasco Production Company			9. API Well No.	
3a. Address		3b. Phone No. (include area code)	043-013-32888	
8 Inverness Drive East Ste 1	00 Englewood, Co 80112	303-483-0044	10. Field and Pool, or Exploratory Area	
4. Location of Well (Footage, Sec., T.	, R., M., or Survey Description)		Wildcat	
NE CW of Con		CCL 0. 1000/FW/I	11. County or Parish, State	
NE 2M 01 260	tion 16-T11S-R16E 1786'	FSL & 1890 FWL	Uintah, Utah	
12. CHECK APPROF	PRIATE BOX(S) TO INDICAT	TE NATURE OF NOTICE. REPO	ORT, OR OTHER DATA	
TYPE OF SUBMISSION TYPE OF ACTION				
Notice of Intent Acidize Deepen X Production (S			(Start/ Resume) Water Shut-off	

13. Describe Proposed or Completed Operations (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof.

If the proposal is to deepen directionally or recomplete horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones.

Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.

Fracture Treat

Plug back

New Construction

Reclamation

Recomplete

Water Disposal

Temporarily Abandon

This well was started on production on 12/5/2006

14. I hereby certify that the foregoing is true and correct.					
Name (Printed Typed)	Title				
Beverly Walker /		Engineering Technician			
Signature Dude left (he let	Date	December 6, 2006			
THIS SPACE FOR FEDERAL OR STATE OFFICE USE					
	1				
Approved by	Title	Date			
Conditions of approval, if any are attached. Approval of this notice does not warrant					
certify that the applicant holds legal or equitable title to those rights in the subject lea		חבסבויה			
which would entitle the applicant to conduct operations therec		RECEIVE			
Title 18 U.S.C. Section 1001 AND Title 43 U.S.C. Section 1212, make it a crime	for any person knowingly and	willfully to make any department or agency of the United			
States any false, fictitiousor fraudulent statements or representations as to any matter with	in its jurisdiction.	DEC 18 200			

SUBMIT

Final Abandonment Notice

UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

FORM APPROVED OMB No. 1004-0137 Expires: March 31, 2007

Lease Serial No

N	1L	463
	_	

SUNDRY NOTICES AND REPORTS ON WELLS	ML-46301
Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.	6. If Indian, Allottee, or Tribe Name NA
IN TRIPLICATE - Other Instructions on reverse side.	7. If Unit or CA. Agreement Name and/or No.

	UTU-80986X	
Type of Well Oil Well Gas Well Other Other	CONFIDENTIAL	8. Well Name and No.
2. Name of Operator		Gate Canyon State 23-16-11-16
Gasco Production Company		9. API Well No.
3a. Address	3b. Phone No. (include area code)	043-013-32888
8 Inverness Drive East Ste 100 Englewood, Co 80112	303-483-0044	10. Field and Pool, or Exploratory Area
4. Location of Well (Footage, Sec., T., R., M., or Survey Description)		Wildcat
NE ONL CO	EGL 8 1000/EWI	11. County or Parish, State
NE SW of Section 16-T11S-R16E 1786'1	rsl & 1890 rWL	Uintah, Utah

12. CHECK APPROPRIATE BOX(S) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

Convert to Injection

TYPE OF SUBMISSION TYPE OF ACTION Water Shut-off X Notice of Intent Production (Start/Resume) Acidize Deepen Well Integrity Altering Casing racture Treat Reclamation X Other New Construction Recomplete ubsequent Report Casing Repair **EFM Meter** Plug and abandon Temporarily Abandon

13. Describe Proposed or Completed Operations (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomplete horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.

Water Disposal

Plug back

This sundry is being sent to inform you that we will be using a Ferguson Beauregard EFM (Model 3500) to measure production from this well and will be considered as the point of sale for gas produced from this well. A temperature probe has been installed for gas measurement purposes. This unit does have a digital readout display and will be inspected and proved according to all BLM regulations.

4 p			
COPY SENT TO OPERATOR Date: 13-15-06 Initials: CHO	OF UTAH! OIL, GAS.	INTESTATE SINISION OF AND MINING HOUSE	
14. I hereby certify that the foregoing is true and correct. Name (Printed Typed)	<u> </u>		
* **	Title	Engineering Technic	ian
Beverly Walker		Engineering rectifie	Turi .
Signature Decele Control Control	Date	December 6, 2006	
THIS SPACE FO	OR FEDERAL OR STA	TE OFFICE USE	
			10.00
Approved by	Title	Date	RECE
Conditions of approval, if any are attached. Approval of this notice doe	is not warrant or		ILOL
certify that the applicant holds legal or equitable title to those rights in the applicant to conduct operations.	tions thereon.		DEC 0.0
which would entitle the applicant to conduct operated Title 18 U.S.C. Section 1001 AND Title 43 U.S.C. Section 1212, ma	ike it a crime for any person kn	owingly and willfully to make any departm	ent or agency of the United

VED

UNITED STATES DEPARTMENT OF THE INTERIOR **BUREAU OF LAND MANAGEMENT**

FORM APPROVED OMB No. 1004-0137

Expires: March 31, 2007

SUNDRY NOTICES AND REPORTS ON WELLS

•	ML-46301	
	If Indian, Allottee, or Tribe Name	

					11111 10201
Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.					ottee, or Tribe Name NA
SUBMIT IN TR	IPLICATE - Other Instruction	ns on reverse s	ide.		Agreement Name and/or No.
Type of Well					UTU-80986X
Oil Well X Gas Well	Other			8. Well Name ar	nd No.
2. Name of Operator				Gate Can	yon State 23-16-11-16
Gasco Production Company	,			9. API Well No.	*
3a. Address		3b. Phone No. (inch	ide area code))43-013-32888
8 Inverness Drive East Ste	100 Englewood, Co 80112	303-48	33-0044	10. Field and Po-	ol, or Exploratory Area
4. Location of Well (Footage, Sec., T	, R., M., or Survey Description)			Wildcat	
NE SW of Sec	ction 16-T11S-R16E 1786'1	FST & 1800' FV	v/1	11. County or Parish, State	
	ZHOH 10-1113-KTOL 1700 1	3L & 1890 1 V	V L	Uintah, Utah	
12. CHECK APPROI	PRIATE BOX(S) TO INDICAT	E NATURE OF	NOTICE, REPOR	T, OR OTHER	R DATA
TYPE OF SUBMISSION		TY	PE OF ACTION		
X Notice of Intent	Acidize	Deepen	Production (St	art/ Resume)	Water Shut-off
	Altering Casing	Fracture Treat	Reclamation		Well Integrity
Subsequent Report	Casing Repair	New Construction	Recomplete		Other
	Change Plans	Plug and abandon	Temporarily At	oandon	
Final Abandonment Notice	Convert to Injection	Plug back	X Water Disposal		77
2 December Proposed on Completed (Appetions (alcodo state all martiness d	and a feet and a second			

Describe Proposed or Completed Operations (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomplete horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.

This is to inform you that we will be disposing of water from this well as follows:

All produced water from this well will be trucked off the location and disposed of at the Desert Spring State Evaporation Facility NW 1/4 of Section 36-T9S-R18E Uintah County Utah. Which is owned by Gasco Production Company. A copy of Gasco's approved permit is attached for your records.

Accepted by the Utah Division of Oil, Gas and Mining

		FOR HEOD	
14. I hereby certify that the foregoing is true and correct. Name (Printed Typed)	<u> </u>		
Beverly Walker	Title	Engineering Technician	
Signature John College College	Date	December 6, 2006	
THIS SPACE FO	OR FEDERAL OR STATE	OFFICE USE	
Approved by	Title	Date	
Conditions of approval, if any are attached. Approval of this notice does certify that the applicant holds legal or equitable title to those rights in twhich would entitle the applicant to conduct operat	he subject lease Office		RECE
Title 18 U.S.C. Section 1001 AND Title 43 U.S.C. Section 1212, mal	ke it a crime for any person know	ngly and willfully to make any denartment or agenc	v of the United

States any false, fictitiousor fraudulent statements or representations as to any matter within its jurisdiction.

GASCO PRODUCTION CO **Gate Canyon State 23-16-11-16**

Drlg CWC: \$1,917,581

Const and tk battery DC: \$88075

Rig up JW Wireline and run CCL/Gama/Bond log. Shows good bond from 11/6/06

PBTD to 100' above surface shoe. (CR) DC \$ 5500 CC \$2,011,156

Rig up B&C quick test and pressure test well to 9500 psi. Tested good. 11/13/06

(CR) DC \$ 1280 CC \$2,012,436

Rig up BWWC and RIH w/ guns for stage #1. Perf Desert/Grassy @ 11/30/06

10,770-74', 10,874-78'. Rig up BJ pumping services, pressure test and prime pumps. Break down perfs @ 5239 psi @ 2.6 BPM, calculate shots open 18/32, ISIP 4450, FG .85. Shut down due to air systems freezing up on pumps 209 bbls into pad stage. Make repairs to pumps and discover that cross linker was mixed wrong. Gel was breaking in 10 min. Turn well

over to flowback and SDFD. (CR)

Well flowing this AM @ 400 psi on 12/64 ck, flowed 290 bbls in 14 hrs. 12/1/06

TA 290, BLWTR 276. Start Equipment and thaw out chemicals. Hybrid frac well w/ 1276 bbls of 20# linear and 18# XL fluid and 19,000# of 20/40 white sand and 41,000# 20/40 Opti Prop sand. Flush well w/ 159.7 bbls, ISIP 5760, FG .96. Close well in and rig up wireline. RIH w/ plug and guns for stage # 2 Lower Mesaverde I, set 8k FTFP #1 @ 10,453' and pressure test plug to 5000 psi, hold 4000 psi on well and perf from 10,434-38', 10,401-404', 10,257-60'. Break down perfs @ 4122 psi @ 2.6 bpm, shots open 28/30, ISIP 4050, FG .83. Hybrid frac well w/ 2627 bbls of 20# linear gel and 18# XL gel and 45,000# of 20/40 white sand, 67,000# of 20/40 Temp HS, and 29,000 # of 20/40 Opti Prop sand. Flush well w/ 151 bbls, ISIP 4560, FG .87. Turn well over to flow back @ 5:00

pm on a 10/64 ck @ 4200 psi (CR)

Well flowing this AM @ 2300 psi on a 14/64 ck, flowed 1175 bbls in 14 12/2/06

hrs. TA 1465, BLWTR 3004. Close well in and RIH w/ plug and guns. Set 8k FTFP #2 @ 10,150' and pressure test to 3700 psi. Bleed down to 2700 psi and perf Lower Mesaverde II @ 10,132-35', 10,068-71', 10,017-19', 9936-38', 9908-10'. Break down perfs @ 4498 psi @ 1.7 BPM, ISIP 4100, FG .84. Hybrid frac well w/ 3397 bbls of 20 # linear gel and 18# XL

gel using 77,000 # of 20/40 white sand and 97,848# of 20/40 Optiprop sand. Flush well w/ 145.8 bbls. ISIP 4250, FG .86. Turn well over to flowback for clean up @ 11:20 @ 4000 psi on a 12/64 ck. Well cleaned up

@ 2:00 pm, close well in and RIH w/ plug and guns. Set 8k FTFP #3 @ 9802' and pressure test to 5000 psi. Bleed down to 3700 psi and perforate

DIV. OF OIL, GAS & MINING stage #4 Lower Mesaverde III @ 9784-87', 9760-63', 9728-30', 9705-07'. Fd 3587 SICP. Broke dn perfs @ 6000 @ 6.3 bpm. ISIP

RECEIVED

DEC 1 9 2006

3830. FG .84. Calc 15 holes open / 30. Hybrid fraced stg 4 w/ 120,000# 20-40 white sd, and 156,068# 20-40 Optiprop, using 5232 bbls Lightning 18# gel. ISIP 4250. FG .87. Shut well in and RIH w/ plug and guns to perf Stage 5, Upper Mesaverde. Set 8K FTFP #4 @ 9035'. Psi test plug to 5000 psi, ok. Perforated f/ 8406 – 09', 9015 – 20', 3 spf. Fd 3675 SICP. Broke dn perfs @ 7507 psi @ 4.5 bpm. ISIP 4085. FG .90. Calc 16 holes open / 24. Had to SD after Linear gel. X-linker only pumping at ½ the rate needed. Down for 15 min. Hybrid fraced w/ 36,000# 20-40 white sd, and 48533# 20-40 Optiprop, using 2181 bbls Lightning 18# and linear gel. Flushed well w/ 123.5 bbls. ISIP 4400. FG .94. Came up 11,400# short on sand on this last stage. X-linker quit again right at end of job. Opened well up to FB @ 10:00 pm, ON 12/64" CK, w/ 4000 SICP. 7:00 AM 12/2/06, well flowing back w/ 2700 FCP on 16/64" ck. Made 1142 bbls in 11.5 hrs. TR 2607. BLWTR 12672. (CR and SCE) DC (excluding Wireline) \$640,000 CC \$2,652,436

Note: didn't sign tickets yet, due to lost day and freezing problems, to be discussed (SCE)

- 12/3/06 Well flg this AM w/ 1350 FCP on 16/64" ck. Made 1995 bbls in 24 hrs. TR 4602. BLWTR 10677.
- 12/4/06 Well flg this AM w/ 800 FCP on 16/64" ck. Made 1091 bbls in 24 hrs. TR 5693. BLWTR 9586.
- 12/13/06 Road rig to Gate Canyon compressor and SDFD run out of daylight. (CR) DC \$ 3360 CC \$ 2,655,796
- MORU service unit, lay pump and lines. Pump 100 bbls down csg and NDFT and NU BOP. RIH w/ 3 ¾ button mill, POBS, X-Nipple and 173 jts tbg. Shut down due to weather, return well to flow back crew and SDFD.(Rick w/ Premier / CR) DC \$ 6750 CC \$ 2,662,546
- Well flowing this AM @ 800 psi. RIH w/ 102 jts tbg and tag up @ 9052'. Pick up swivel and break circ, drill out plug. RIH w/ 23 jts and drill out plug #3, well died increase rate to 3 bpm and catch circ. RIH w/ tbg and tag up on plug #2 @ 10,174, drill out same. Circulate bottoms up and turn well over to flowback crew for night, SDFD. (Rick w/ Premier / CR) DC \$ 7814 CC \$ 2,670,360
- Open well up and RIH w/ 19 jts and tag FTFP #1, break circ and drill out plug. Circulate bottoms up and RIH to 11,107' w/ no tag. Drop ball and pump off bit, POOH w/ 19 jts and broach tbg. Land well @ 10,490' w/ 318 jts, rig up swab and recover 24 bbls in 6 runs. Close well in and SDFD. (Rick w/ Premier / CR) DC \$ 11,704 CC \$ 2,682,064

Open well up w/ 0 psi over 400 psi. Rig up swab and recover 86 bbls in 18 runs. Well started flowing @ 300 psi, turn well over to flowback crew for clean up and SDFD. (Rick w/ Premier / CR) DC \$ 6604 CC \$ 2,688,668

CONFIDENTAL

STATE OF UTAH AMENDED REPORT FORM 8 **DEPARTMENT OF NATURAL RESOURCES** (highlight changes) DIVISION OF OIL, GAS AND MINING 5 LEASE DESIGNATION AND SERIAL NUMBER ML-46301 6. IF INDIAN, ALLOTTEE OR TRIBE NAME WELL COMPLETION OR RECOMPLETION REPORT AND LOG 1a. TYPE OF WELL 7. UNIT or CA AGREEMENT NAME GAS WELL DRY OTHER UTU-80986X b. TYPE OF WORK 8. WELL NAME and NUMBER DIFF. RESVR. WELL 🔽 RE-ENTRY Gate Canyon State 23-16-11-16 OTHER 2. NAME OF OPERATOR 9. API NUMBER Gasco Production Company 43-013-32888 3. ADDRESS OF OPERATOR PHONE NUMBER 10 FIELD AND POOL, OR WILDCAT 8 Inverness Drive E, Ste 100 80112 Englewood Co (303) 483-0044 Wildcat 4. LOCATION OF WELL (FOOTAGES) 11. QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN AT SURFACE. 1786' FSL & 1890' FWL NESW 16 118 16E AT TOP PRODUCING INTERVAL REPORTED BELOW 12 COUNTY 13 STATE AT TOTAL DEPTH Same UTAH Duchesne 14. DATE SPUDDED 15 DATE T.D. REACHED 16 DATE COMPLETED 17. ELEVATIONS (DF, RKB, RT, GL) ABANDONED READY TO PRODUCE 🔽 12/14/2005 10/14/2006 12/5/2006 6215.4' GL; 6237.4' KB 18 TOTAL DEPTH MD 11.755 19 PLUG BACK T.D. MD 20. IF MULTIPLE COMPLETIONS, HOW MANY? 1 DEPTH BRIDGE MD PLUG SET TVD 11,755 TVD 22. TYPE ELECTRIC AND OTHER MECHANICAL LOGS RUN (Submit copy of each) NO 🔽 WAS WELL CORED? YES (Submit analysis) CNL; CBL; GR; SL WAS DST RUN? NO 🔽 YES 🗌 (Submit report) DIRECTIONAL SURVEY? NO 🔽 YES [(Submit copy) 24. CASING AND LINER RECORD (Report all strings set in well) STAGE CEMENTER DEPTH CEMENT TYPE & SŁURRY TOP (MD) HOLE SIZE SIZE/GRADE WEIGHT (#/ft.) BOTTOM (MD) CEMENT TOP ** AMOUNT PULLED NO. OF SACKS VOLUME (BBL) 24" 0 40 Circ to Surf 48# 0 17 1/2" 13 3/8 H40 217 G 225 Circ to Surf 12 1/4' 8 5/8 J55 32# 0 3,462 G 700 Circ to Surf 7 7/8" 4 1/2 13.5# O 11,754 P110 Hilift 585 Circ to Surf 50-50 1,150 25. TURING RECORD SIZE DEPTH SET (MD) PACKER SET (MD) SIZE DEPTH SET (MD) PACKER SET (MD) SIZE DEPTH SET (MD) PACKER SET (MD) 2 3/8" 10,490 26. PRODUCING INTERVALS 27. PERFORATION RECORD FORMATION NAME BOTTOM (MD) TOP (MD) TOP (TVD) BOTTOM (TVD) INTERVAL (Top/Bot - MD) SIZE NO HOLES PERFORATION STATUS (A) Blackhawk 10.770 10.878 See Attached Squeezed Open MesaVerde (B) 8,406 10,135 Open Squeezed (C) Open Squeezed (D) Open Squeezed 28. ACID, FRACTURE, TREATMENT, CEMENT SQUEEZE, ETC. DEPTH INTERVAL AMOUNT AND TYPE OF MATERIAL See Attached

(CONTINUED ON BACK)

GEOLOGIC REPORT

CORE ANALYSIS

DST REPORT

OTHER

FEB 2 6 2007

DIRECTIONAL SURVEY

30. WELL STATUS:

Producing

29. ENCLOSED ATTACHMENTS:

ELECTRICAL/MECHANICAL LOGS

SUNDRY NOTICE FOR PLUGGING AND CEMENT VERIFICATION

31. INITIAL PR	DDUCTION				INT	TERVAL A (As sho	wn in Item #26)					
DATE FIRST PR 12/5/2006		TEST DATE: 12/10/20	06		HOURS TESTER	D: 24	TEST PRODU	CTION	OIL - BBL:	GAS - MCF: 437		R BBL:	PROD. METHOD: Flowing
CHOKE SIZE: 14/64	TBG. PRESS.	CSG. PRESS 872	API G	RAVITY	BTU - GAS	GAS/OIL RATIO	24 HR PRODE RATES: →	JCTION	OIL – BBL:	GAS - MCF:	WATER	R BBL:	INTERVAL STATUS
					INT	ERVAL B (As sho	wn in item #26)						<u> </u>
DATE FIRST PR	ODUCED:	TEST DATE:			HOURS TESTED	D:	TEST PRODU RATES: →	CTION	OIL BBL:	GAS - MCF:	WATER	R - BBL:	PROD. METHOD:
CHOKE SIZE:	TBG. PRESS.	CSG. PRESS	API GI	RAVITY	BTU – GAS	GAS/OIL RATIO	24 HR PRODU RATES: →	ICTION	OfL - BBL	GAS - MCF:	WATER	R – BBL	INTERVAL STATUS
					INT	ERVAL C (As shor	wn in item #26)		<u></u>		L		
DATE FIRST PR	ODUCED	TEST DATE			HOURS TESTED):	TEST PRODU RATES: →	CTION	OIL BBL:	GAS - MCF:	WATER	R – BBL:	PROD. METHOD
CHOKE SIZE:	TBG. PRESS	CSG. PRESS	API GF	RAVITY	BTU - GAS	GAS/OIL RATIO	24 HR PRODU RATES: →	CTION	OIL - BBL	GAS - MCF:	WATER	- BBL	INTERVAL STATUS
					INTE	ERVAL D (As show	vn in item #26)		-	L		•	L
DATE FIRST PRO	ODUCED	TEST DATE			HOURS TESTED	k	TEST PRODUC RATES: →	CTION	OIL - BBL:	GAS - MCF	WATER	– BBL	PROD METHOD
CHOKE SIZE	TBG PRESS	CSG. PRESS	API GF	RAVITY	BTU – GAS	GAS/OIL RATIO	24 HR PRODU RATES: →	CTION	OIL - BBL:	GAS – MCF:	WATER	- BBL:	INTERVAL STATUS
32. DISPOSITIO Sold	N OF GAS (Sold	, Used for Fuel,	Vented, Et	c.)					I	_ <u></u>			
33. SUMMARY (OF POROUS ZOI	NES (Include Aq	uifers):		-			34	FORMATION (Log) MARKERS:			
Show all importar tested, cushion us	nt zones of porosi sed, time tool ope	ity and contents t en, flowing and st	nereof. Cor ut-in pressi	ed interva ures and r	ls and all drill-stem recoveries	tests, including dep	oth interval						
Formation	n	Top (MD)	Bottom (MD)		Description	ons, Contents, etc.	Name (Me		Top easured Depth)				
Wasatch		3,850	,910				·						
Dark Canyon			3,117					1				l	
Mesa Verde		1	0,477					İ					
Blackhawk		0,734		וטיםי	well within the	e Blackhawk (d	y 11755						
5. ADDITIONAL	REMARKS (Incl	ude plugging pr	ocedure)					ᆚ_					
	(pggg p.	occuu, c,										
6. I hereby certi	fy that the foreg	oing and attach	d informat	tion is co	mplete and correct	t as determined fr	om all available	record	ls.		 		
NAME (PLEASE	PRINTY Beve	rly Walker					www. Fr	noinee	ering Technic	ian			
SIGNATURE	// De 1 :	id. 11	1/2	16		,		13/20					
7		ALLE	<u> </u>				DATE	. 5, 20	· ·				
drilling	st be submitt ting or plugg horizontal lat pleting to a di	ing a new we terals from ar	il existing		ore ● s	eentering a pre ignificantly dee Irilling hydroca	epening an e	existin	g well bore b	ed well elow the previo s core samples	ous botto	m-hole	depth ic tests
ITEM 20: Sho	w the number	er of complet	ons if pr	oductio	n is measured					•		ÇF	
ITEM 24: Cer	ment Top – Si	how how repo	rted top(s) of cer	ment were dete	rmined (circula	ted (CIR), ca	iculat	ed (CAL), cer	ment bond log (CBL), ten	nperatu	re survey (TS)).

Phone: 801-538-5340

801-359-3940

Fax:

(5/2000)

Send to:

Utah Division of Oil, Gas and Mining

1594 West North Temple, Suite 1210

Salt Lake City, Utah 84114-5801

Box 145801

Gate Canyon State 23-16-11-16 Additional Information to Well Completion Report

27. Perforation Record

Perforated Interval	Size	No. Hole	Perf. Status
10874 - 78; 10770 - 74	0.38	24	Open
10434-38; 10401-04; 10257-60; 10132-35; 10068-71; 10017-19; 9936-38; 9908-10; 9784-87; 9760-63; 9728-30; 9705-07; 9015-20; 8406-09	0.38	120	Open

28. Acid Fracture, Treatment, Cement Squeeze, Etc (continued)

Depth Interval	Amount and Type of Material
10770 - 10878	1276 bbls of 20# linear and 18# XL fluid and 19,000# of 20/40 white sand and 41,000# 20/40 Opti Prop sand
10257 - 10438	2627 bbls of 20# linear gel and 18# XL gel and 45,000# of 20/40 white sand, 67,000# of 20/40 Temp HS, and 29,000 # of 20/40 Opti Prop sand
9908 - 10135	3397 bbls of 20 # linear gel and 18# XL gel using 77,000 # of 20/40 white sand and 97,848# of 20/40 Optipropsand
9705 - 9787	120,000# 20-40 white sand, and 156,068# 20-40 Optiprop, using 5232 bbls Lightning 18# gel
8406 - 9020	36,000# 20-40 white sd, and 48533# 20-40 Optiprop, using 2181 bbls Lightning 18# and linear gel

RECEIVED FEB 2 6 2007

UNITED STATES DEPARTMENT OF THE INTERIOR **BUREAU OF LAND MANAGEMENT**

FORM APPROVED OMB No 1004- 0137 Expires March 31, 2007

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals

ML-46301 If Indian, Allottee, or Tribe Name

	NA NA	
SUBMIT IN TRIPLICATE - Other Instruction	7. If Unit or CA. Agreement Name and/or No	
1. Type of Well		UTU-80986X
Oil Well X Gas Well Other		8. Well Name and No.
2. Name of Operator		Gate Canyon State 23-16-11-16
Gasco Production Company		9 API Well No.
3a Address	3b Phone No. (melude area code)	043-013-32888
8 Inverness Drive East Ste 100 Englewood, Co 80112	303-483-0044	10. Field and Pool, or Exploratory Area
4 Location of Well (Footage, Sec. 1. R. M., or Survey Description)		Wildcat
NE SW of Section 16-T11S-R16E 1786'	EST B 1900/ CW/I	11. County or Parish, State
140.5 W OF Section 10-1113-KIOE 1700	13L & 1070 F WL	Uintah Utah

12. CHECK APPROPRIATE BOX(S) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

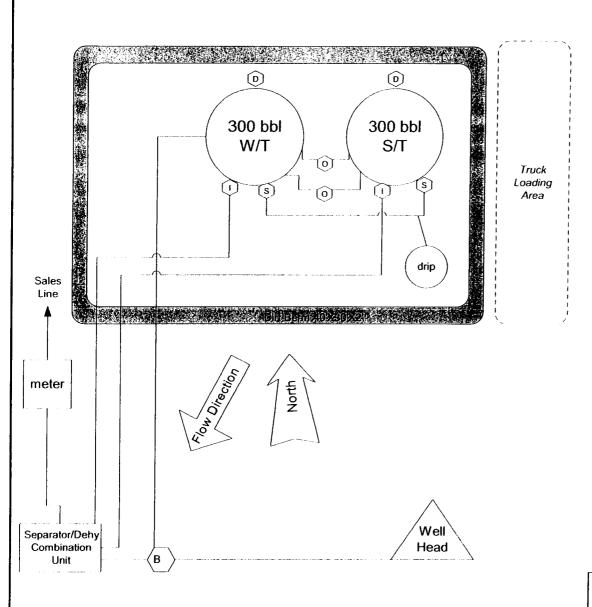
TYPE OF SUBMISSION		T	PE OF ACTION	
Notice of Intent	Acidize	Deepen	Production (Start/ Resume)	Water Shut-off
	Aftering Casing	Fracture Treat	Reclamation	Well Integrity
X Subsequent Report	Casing Repair	New Construction	Recomplete	XOther
	Change Plans	Plug and abandon	Temporarily Abandon	Site security
Final Abandonment Notice	Convert to Injection	Plug back	Water Disposal	

13 Describe Proposed or Completed Operations (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof If the proposal is to deepen directionally or recomplete horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones Attach the Bond under which the work will be performed or provide the Bond No on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection

Please find attached the site security diagram for this well.

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AUG 0 8 2007
DIV. OF OIL, GAS & MINING

14 I hereby certify that the foregoing is true and correct.		
Name (Printed Typed)	Title	
Beverly Walker	ritte	Engineering Technician
Signature Julian Contact Contact	Date	August 2, 2007
THIS SPACE FO	R FEDERAL OR STATE	OFFICE USE
Approved by	Title	Date
Conditions of approval, if any are attached. Approval of this notice does certify that the applicant holds legal or equitable title to those rights in the which would entitle the applicant to conduct operation.	e subject lease Office	
Title 18 U.S.C. Section 1001 AND Title 43 U.S.C. Section 1212, make States any false, fictitiousor fraudulent statements or representations as to an	e it a crime for any person know ny matter within its jurisdiction	ingly and willfully to make any department or agency of the United
(Instructions on page 2)		



LEGEND - Sales Valve

- D Drain Valve
- I Infet Valve
- O Overflow B Blowdown

This lease is subject to the Site Security Plan for GASCO Production Company. The Plan is located at: **GASCO Production Company** 8 Inverness Drive East Suite 100 Englewood, CO 80112-5625

> Lease # ML-46301

POSITION OF VALVES AND USE OF SEALS DURING PRODUCTION/BLOWDOWN

Valves	Line Purpose	Position	Seal Installed
D	Drain	Closed	Yes
S	Sales	Closed	Yes
ı	Inlet	Open	No
0	Overflow	Open/Closed	No
В	Blowdown	Open/Closed	No

POSITION OF VALVES AND USE OF SEALS DURING SALES

Valves	Line Purpose	Position	Seal Installed
D	Drain	Closed	Yes
S	Sales	Open	No
<u>1</u>	Inlet	Closed	Yes
0	Overflow	Closed	Yes
В	Blowdown	Closed	Yes

POSITION OF VALVES AND USE OF SEALS DURING WATER DRAIN

Valves	Line Purpose	Position	Seal Installed
D	Drain	Open	No
S	Sales	Closed	Yes
I	Inlet	Closed	No
0	Overflow	Closed	No
В	Blowdown	Closed	No

BUYS & ASSOCIATES, INC. ENVIRONMENTAL CONSULTANTS

Gasco Production Company GCS 23-16-11-16 NE/SW Sec. 16 Twp. 11S Rge. 16E Duchesne County, Utah June 2007

Gasco Production Company

Gate Canyon State 23-16-11-16 NE SW of Section 16-T11S-R15E Duchesne County Utah 043-013-32888

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DIV. OF OIL, GAS & MINING

Drlg CWC: \$1,917,581

Const and tk battery DC: \$88075

11/6/06 Rig up JW Wireline and run CCL/Gama/Bond log. Shows good bond from

PBTD to 100' above surface shoe. (CR) DC \$ 5500 CC \$2,011,156

11/13/06 Rig up B&C quick test and pressure test well to 9500 psi. Tested good.

(CR) DC \$ 1280 CC \$2,012,436

11/30/06 Rig up BWWC and RIH w/ guns for stage #1. Perf Desert/Grassy @

10,770-74', 10,874-78'. Rig up BJ pumping services, pressure test and prime pumps. Break down perfs @ 5239 psi @ 2.6 BPM, calculate shots open 18/32, ISIP 4450, FG .85. Shut down due to air systems freezing up on pumps 209 bbls into pad stage. Make repairs to pumps and discover that cross linker was mixed wrong. Gel was breaking in 10 min. Turn well

over to flowback and SDFD. (CR)

Well flowing this AM @ 400 psi on 12/64 ck, flowed 290 bbls in 14 hrs. TA 290, BLWTR 276. Start Equipment and thaw out chemicals. **Hybrid**

frac well w/ 1276 bbls of 20# linear and 18# XL fluid and 19,000# of 20/40 white sand and 41,000# 20/40 Opti Prop sand. Flush well w/ 159.7 bbls, ISIP 5760, FG .96. Close well in and rig up wireline. RIH w/ plug and guns for stage # 2 Lower Mesaverde I, set 8k FTFP #1 @ 10,453' and pressure test plug to 5000 psi, hold 4000 psi on well and perf from 10,434-38', 10,401-404', 10,257-60'. Break down perfs @ 4122 psi @ 2.6 bpm, shots open 28/30, ISIP 4050, FG .83. Hybrid frac well w/ 2627 bbls of 20# linear gel and 18# XL gel and 45,000# of 20/40 white

sand. Flush well w/ 151 bbls, ISIP 4560, FG .87. Turn well over to flow

sand, 67,000# of 20/40 Temp HS, and 29,000 # of 20/40 Opti Prop

back @ 5:00 pm on a 10/64 ck @ 4200 psi (CR)

Well flowing this AM @ 2300 psi on a 14/64 ck, flowed 1175 bbls in 14 hrs. TA 1465, BLWTR 3004. Close well in and RIH w/ plug and guns. Set

8k FTFP #2 @ 10,150' and pressure test to 3700 psi. Bleed down to 2700 psi and perf Lower Mesaverde II @ 10,132-35', 10,068-71', 10,017-19', 9936-38', 9908-10'. Break down perfs @ 4498 psi @ 1.7 BPM, ISIP 4100, FG .84. Hybrid frac well w/ 3397 bbls of 20 # linear gel and 18# XL gel using 77,000 # of 20/40 white sand and 97,848# of 20/40 Optiprop sand. Flush well w/ 145.8 bbls. ISIP 4250, FG .86. Turn well

over to flowback for clean up @ 11:20 @ 4000 psi on a 12/64 ck. Well

cleaned up @ 2:00 pm, close well in and RIH w/ plug and guns. Set 8k FTFP #3 @ 9802' and pressure test to 5000 psi. Bleed down to 3700 psi and perforate stage #4 Lower Mesaverde III @ 9784-87', 9760-63', 9728-30', 9705-07'. Fd 3587 SICP. Broke dn perfs @ 6000 @ 6.3 bpm. ISIP 3830. FG .84. Calc 15 holes open / 30. Hybrid fraced stage 4 w/ 120,000# 20-40 white sand, and 156,068# 20-40 Optiprop, using 5232 bbls Lightning 18# gel. ISIP 4250. FG .87. Shut well in and RIH w/ plug and guns to perf Stage 5, Upper Mesaverde. Set 8K FTFP #4 @ 9035'. Psi test plug to 5000 psi, ok. Perforated f/ 8406 - 09', 9015 -20', 3 spf. Fd 3675 SICP. Broke dn perfs @ 7507 psi @ 4.5 bpm. ISIP 4085. FG .90. Calc 16 holes open / 24. Had to SD after Linear gel. Xlinker only pumping at ½ the rate needed. Down for 15 min. Hybrid fraced w/ 36,000# 20-40 white sd, and 48533# 20-40 Optiprop, using 2181 bbls Lightning 18# and linear gel. Flushed well w/ 123.5 bbls. ISIP 4400. FG .94. Came up 11,400# short on sand on this last stage. Xlinker quit again right at end of job. Opened well up to FB @ 10:00 pm, ON 12/64" CK, w/ 4000 SICP. 7:00 AM 12/2/06, well flowing back w/ 2700 FCP on 16/64" ck. Made 1142 bbls in 11.5 hrs. TR 2607. BLWTR 12672. (CR and SCE) DC (excluding Wireline) \$640,000 CC \$2,652,436

Note: didn't sign tickets yet, due to lost day and freezing problems, to be discussed (SCE)

- 12/3/06 Well flg this AM w/ 1350 FCP on 16/64" ck. Made 1995 bbls in 24 hrs. TR 4602. BLWTR 10677.
- 12/4/06 Well flg this AM w/ 800 FCP on 16/64" ck. Made 1091 bbls in 24 hrs. TR 5693. BLWTR 9586.
- 12/13/06 Road rig to Gate Canyon compressor and SDFD run out of daylight. (CR) DC \$ 3360 CC \$ 2,655,796
- MORU service unit, lay pump and lines. Pump 100 bbls down csg and NDFT and NU BOP. RIH w/ 3 ¾ button mill, POBS, X-Nipple and 173 jts tbg. Shut down due to weather, return well to flow back crew and SDFD.(Rick w/ Premier / CR) DC \$ 6750 CC \$ 2,662,546
- 12/15/06 Well flowing this AM @ 800 psi. RIH w/ 102 jts tbg and tag up @ 9052'. Pick up swivel and break circ, drill out plug. RIH w/ 23 jts and drill out plug #3, well died increase rate to 3 bpm and catch circ. RIH w/ tbg and tag up on plug #2 @ 10,174, drill out same. Circulate bottoms up and turn well over to flowback crew for night, SDFD. (Rick w/ Premier / CR) DC \$ 7814 CC \$ 2,670,360
- 12/16/06 Open well up and RIH w/ 19 jts and tag FTFP #1, break circ and drill out plug. Circulate bottoms up and RIH to 11,107' w/ no tag. Drop ball and

pump off bit, POOH w/ 19 jts and broach tbg. Land well @ 10,490' w/ 318 jts, rig up swab and recover 24 bbls in 6 runs. Close well in and SDFD. (Rick w/ Premier / CR) DC \$ 11,704 CC \$ 2,682,064

Open well up w/ 0 psi over 400 psi. Rig up swab and recover 86 bbls in 18 runs. Well started flowing @ 300 psi, turn well over to flowback crew for clean up and SDFD. (Rick w/ Premier / CR) DC \$ 6604 CC \$ 2,688,668

 4/26/07
 Update late costs. (SCE) DC \$42214 CC \$2,730,882

 5/9/07
 Update late cost DC \$ 110,936 CCC \$ 2,841,818

 5/11/07
 Update late costs (SCE) DC 7950 CC \$2,849,768

6/18/07 MIRU R & B slickline to fish plunger & bumper spring, tag plunger @ 5871' pulled up to 5851' got stuck. Could not shear off or get loose parted wire line near fish. (RTR) DC \$771.00 +\$1400.00 for lost tools. CC \$2,851,939

Pull well to convert to CVR tbg string (and fish stuck tools)

9/28/07 MIRU Wildcat rig 1. Spot in equipment. (Rick) DC 6655 CVR CC 6655

9/29/07 Fd 1000/1000. Pumped 20 bbls dn tbg and pressured up (against fish stuck @ 5871'). ND wellhead. NU BOPE. Tried to pull tbg, stuck. Worked and jarred tbg for several hrs. Est tbg stuck @ 8500'+-. Leave csg to sales for night. (Rick) DC 8135 CVR DC 14790.

9/30/07 Fd 550 FCP. Premixed and preheated 415 gal of TS-2000 (BJ Chemical) scale solvent w/ 20 bbls fresh water. Pumped 15 bbls dn csg. Starting CP 650, ending CP 250. Tbg on slight vac. Pumped 14 bbls dn tbg and caught pressure. Pumped 1 more bbl of chemical, followed by 5 bbls prod water. Bottom of chemical calc @ 5168'. Tbg still on slight vac. SI tbg and csg after pumping. (Rick) DC 11668 CVR CC 26,458

2000 SICP, 0 SICP. Pumped 11 bbls to fill tbg. Pumped up to 2000 psi w/ 1 bbl. Bled to 0 in 1 min. Tbg still stuck. Jarred and worked tbg for 2 hrs. Pumped dn tbg w/ 5 bbls and pressured up to 3000 psi, and psi broke back. Continued to pump w/ pressure building and breaking back. Pumped total of 38 bbls (tbg cap). RIH w/ broach and tagged @ 5838'. Came up 200' and couldn't go down again. POOH w/ 2' of slick line caught in broach. RIH again and tagged @ 2500'. POOH w/ 3 ½' of line in broach. RIH and tagged again @ 2500'. Not sticky, and no more line came out. Pumped dn tbg again, w/ 30 bbls, and saw break backs in pressure again. RIH w/ plunger fishing tool to 9800' and never tagged anything. Moved fish to bottom of tbg. Jarred on tbg for 30 min again, and left open to sales for night. (Rick, SCE) DC 10273 CVR CC 36,731

- 10/4/07 Fd 100/0. RU JW Wireline. RIH w/ freepoint tool. Determined pipe free to 10263 and 78% free @ 10460' RIH w/ chemical cutter and cut tbg off @ 10461'. Had to work several times to get tbg parted. POOH w/ 317 jts tbg and cut off. Pumped total of 48 bbls wter. BLWTR 122. (Rick, SCE) DC 14,073 CVR CC \$ 50,804
- Fd 100 FCP. Pumped 20 bbls dn csg. RIH w/ overshot (dressed w/ 2 3/8" grapple) + bumper sub + jars + 4 3 1/8" collars + intensifier + x-over + 314 jts tbg. Well kicked while going in hole. Pumped 30 bbls dn tbg. Tagged fish top @ 10480' (19' below cut). Worked overshot over fish. Pulled up and set off jars 1 time. POOH w/ tbg and tools. Well kicked and had to kill w/ 30 bbls dn csg and 5 bbls dn tbg. Did not have fish. Cut lip guide had fresh marks on it, but no marks inside of grapple. Leave csg to sales on small ck for night. BLWTR 202. (Rick) DC 15643 CVR CC 52,374
- Fd 100 FCP. Pumped 30 bbls dn csg. RIH w/ 3 ¾" burn over shoe + 1 jt wash over pipe + x=over + bumper sub + jars + 4 3 1/8" DC + intensifier + x-over + tbg. Tagged @ 10444' (41' high). Tried set set weight on swcale. No movement. RU power swivel and slowly pumped 20 bbls dn csg and drilled dn 10'. Left tbg to sales for night on small choke. Pumped 68 bbls. BLWTR 270. (Rick w/ Premier, SCE) DC 12620 CVR CC 64994
- Mixed and pumped 10 bbl pill of Safe-Carb LCM w/ 2% Kcl. Caught circulation after only 7 bbls pumped. Drilled dn 1 ½ jts and fell thru @ 10470'. Never felt fish. RIH to 10790' and tagged up again. Drilled dn to 10828', and pressured up. Can't seem to make hole. Assume we are over fish and having trouble circulating. Pull up 2 jts and SDFN. Used 35 bbls. BLWTR 305. (Rick, SCE) DC 11854 CVR CC \$76,848
- 10/10/07 0/0. RIH and tagged on fish. Tried to reverse circulate on fish w/ no success making hole. POOH w/ tbg and tools. RIH w/ overshot w/ extension + bumper sub + jars + 4 DC + intensifier + 149 jts tbg. SDFN. BLWTR 335. (Rick, SCE) DC 12,404 CVR CC 89,252
- 10/12/07 Discussed fishing w/ Mike Decker. Decided to abort fishing operation and run CVR string. Leaving 25' OAL fish w/ x nipple and ½ of POBS on bottom. POBS OD = 3 3/16". Top of fish @ 10828'.
- Discussed fishing w/ Mike Decker. Decided to abort fishing operation and run CVR string. Leaving 25' OAL fish w/ x nipple and ½ of POBS on bottom. POBS OD = 3 3/16". Top of fish @ 10828'. RIH and LD drill collars and fishing tools. NU Hydrill on BOPs. Tally, PU and RIH w/ 85 jts 2 7/8" Ultra Flush Jt tbg + x-over + 1 jt 2 3/8" tbg. Shut well in and SDFN. (Rick, SCE) DC 7143 CVR CC \$106,795

- 10/13/07 0/0. RIH w/ shear collar. Wait on Weatherford. Spooling trailer and equipment damaged when it arrived to loc. Will be repaired and try again on Monday. Weatherford will cover today's costs. (Rick, SCE) DC 6075 CVR CC 112,870
- 50/200. RU Weatherford cap string. RIH w/ 269 jts tbg w/ ¼" cap string banding. Ran to 10898' (20' past bottom perf) and did not tag up on fish. Csg open past bottom perfs. Land tbg w/ 268 jts 2 3/8" 8rd EUE N-80 and 85 jts 2 7/8" UFJ 6.5# tbg. Perf sub @ bottom of 2 3/8" tbg @ 8245' (161' above top perf). Bottom of 2 7/8" dead string @ 10876' (2' above bottom perf). Leave tbg open to sales for night. (Rick, SCE) DC 31,328 CVR CC \$144,198
- Dropped bumper spring and followed w/ tbg broach. Stacked out @ 1900'. RIH and fished bumper spring. Ran broach and stacked again @ 1750'. POOH w/ 3' piece of slick line. RIH and pulled out another 1 ½' piece of wire. Continued to fight wire pieces. Recovered another 3' and 2' piece. Will get slick line spear and continue tomorrow. SDFN. DC 2165 (inc \$4665 fishing tool credit) CVR CC \$ 146,363
- 10/18/07 0/950. RU to swab.. IFL 2400'. Made 5 runs and recovered 53 BW to kick well off flowing. Turn well over to pumper. (Rick, SCE). DC 3834 CVR CC \$150,179



United States Department of the Interior



BUREAU OF LAND MANAGEMENT Utah State Office P.O. Box 45155 Salt Lake City, UT 84145-0155 http://www.blm.gov

IN REPLY REFER TO: 3160 (U-922)

January 11, 2008

GASCO Production Company 8 Inverness Drive East Suite 100 Englewood, CO 80112-5625 Attn: David R. Smith

Re:

Non-Paying Well Determination

GC 23-16-11-16 Well Gate Canyon Unit Duchesne County, Utah

Gentlemen:

Pursuant to your request of December 20, 2007, it has been determined by this office that under existing conditions the following well is not capable of producing unitized substances in paying quantities as defined in Section 9 of the unit agreement.

API Number

Well Name

Location

Comp. Date

Lease

4301332888

GC 23-16-11-16

NESW 16 11.0 S 16.0 E SLB&M

12/05/2006

ML-46301

Production from this well shall be handled and reported on a lease basis.

Sincerely,

/s/ Becky J. Hammond

Becky J. Hammond Chief, Branch of Fluid Minerals

RECEIVED
JAN 1.4 2008

DIV. OF OIL, GAS & MINING

	STATE OF UTAH		FORM 9			
	DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING	G	5.LEASE DESIGNATION AND SERIAL NUMBER: ML-46301			
SUNDRY NOTICES AND REPORTS ON WELLS 6. IF INDIAN, ALLOTTEE OR TRIBE NAME:						
	sals to drill new wells, significantly deepen exis ugged wells, or to drill horizontal laterals. Use A		7.UNIT or CA AGREEMENT NAME: GATE CANYON			
1. TYPE OF WELL Gas Well			8. WELL NAME and NUMBER: GATE CYN ST 23-16-11-16			
2. NAME OF OPERATOR: GASCO PRODUCTION COMPAI	NY		9. API NUMBER: 43013328880000			
3. ADDRESS OF OPERATOR: 8 Inverness Dr. East, Suite 10	PHONE N 00 , Englewood, CO, 80112 30	UMBER: 3 483-0044 Ext	9. FIELD and POOL or WILDCAT: WILDCAT			
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1786 FSL 1890 FWL			COUNTY: DUCHESNE			
QTR/QTR, SECTION, TOWNSHI Qtr/Qtr: NESW Section: 16	IP, RANGE, MERIDIAN: Township: 11.0S Range: 16.0E Meridian: S		STATE: UTAH			
11. CHE	CK APPROPRIATE BOXES TO INDICATE N	ATURE OF NOTICE, REPORT,	OR OTHER DATA			
TYPE OF SUBMISSION		TYPE OF ACTION				
Gasco would like commercial dispos Range 2 west in Bl	CHANGE TO PREVIOUS PLANS CHANGE WELL STATUS DEEPEN OPERATOR CHANGE PRODUCTION START OR RESUME REPERFORATE CURRENT FORMATION TUBING REPAIR WATER SHUTOFF	tries state approved and 9 Township 2 south used in addition to the to dispose of water from	Approved by the Utah Division of			
NAME (PLEASE PRINT) Roger Knight	PHONE NUMBER 303 996-1803	TITLE EHS Supervisor				
SIGNATURE N/A		DATE 10/5/2010				

	STATE OF UTAH		FORM 9	
	DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MININ	IG	5.LEASE DESIGNATION AND SERIAL NUMBER: ML-46301	
SUND	RY NOTICES AND REPORTS O	N WELLS	6. IF INDIAN, ALLOTTEE OR TRIBE NAME:	
	sals to drill new wells, significantly deepen exi ugged wells, or to drill horizontal laterals. Use		7.UNIT or CA AGREEMENT NAME: GATE CANYON	
1. TYPE OF WELL Gas Well			8. WELL NAME and NUMBER: GATE CYN ST 23-16-11-16	
2. NAME OF OPERATOR: GASCO PRODUCTION COMPAI	NY		9. API NUMBER: 43013328880000	
3. ADDRESS OF OPERATOR: 8 Inverness Dr. East, Suite 10		NUMBER: 03 483-0044 Ext	9. FIELD and POOL or WILDCAT: WILDCAT	
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1786 FSL 1890 FWL			COUNTY: DUCHESNE	
QTR/QTR, SECTION, TOWNSHI Qtr/Qtr: NESW Section: 16	IP, RANGE, MERIDIAN: Township: 11.0S Range: 16.0E Meridian: S		STATE: UTAH	
11. CHE	CK APPROPRIATE BOXES TO INDICATE	NATURE OF NOTICE, REPORT,	OR OTHER DATA	
TYPE OF SUBMISSION		TYPE OF ACTION		
Gasco would like to state approved con Range 4 west in Nor	CHANGE TO PREVIOUS PLANS CHANGE WELL STATUS DEEPEN OPERATOR CHANGE PRODUCTION START OR RESUME REPERFORATE CURRENT FORMATION TUBING REPAIR WATER SHUTOFF WILDCAT WELL DETERMINATION DMPLETED OPERATIONS. Clearly show all pertine dispose of water at Integrated Venture and the Bue Bench UT. This facility water from this well.	Vater management, LLC in Section 30, 2 south rould be used in addition asco uses to dispose of	Accepted by the	
NAME (PLEASE PRINT) Roger Knight	PHONE NUMBER 303 996-1803	TITLE EHS Supervisor		
SIGNATURE N/A		DATE 12/29/2010		

Division of Oil, Gas and Mining

Operator Change/Name Change Worksheet-for State use only

Effective Date:

4/16/2015

FORMER OPERATOR:	NEW OPERATOR:
Gasco Prodcution Company N2575	Badlands Production Company N4265
7979 E. Tufts Avenue, Suite 11500	7979 E. Tufts Avenue, Suite 11500
Denver, CO 80237	Denver, CO 80237
303-996-1805	303-996-1805
CA Number(s):	Unit(s):Gate Canyon, Wilkin Ridge Deep, RBU-EOR-GRRV

WELL INFORMATION:

Well Name	Sec	TWN	RNG	API	Entity	Mineral	Surface	Туре	Status
See Attached List									

OPERATOR CHANGES DOCUMENTATION:

1. Sundry or legal documentation was received from the **FORMER** operator on:

6/2/2015

2. Sundry or legal documentation was received from the **NEW** operator on:

6/2/2015

3. New operator Division of Corporations Business Number:

1454161-0143

REVIEW:

1. Surface Agreement Sundry from **NEW** operator on Fee Surface wells received on:

6/2/2015

2. Receipt of Acceptance of Drilling Procedures for APD on:

N/A

3. Reports current for Production/Disposition & Sundries:

6/3/2015

4. OPS/SI/TA well(s) reviewed for full cost bonding:

1/20/2016

5. UIC5 on all disposal/injection/storage well(s) approved on:

N/A

6. Surface Facility(s) included in operator change:

None

7. Inspections of PA state/fee well sites complete on (only upon operators request):

N/A

NEW OPERATOR BOND VERIFICATION:

1. Federal well(s) covered by Bond Number:

SUR0027842

2. Indian well(s) covered by Bond Number:

N/A

3.State/fee well(s) covered by Bond Number(s):

SUR0027845

SUR0035619 -FCB

DATA ENTRY:

1. Well(s) update in the OGIS on:	1/22/2016
2. Entity Number(s) updated in OGIS on:	1/22/2016
3. Unit(s) operator number update in OGIS on:	1/22/2016
4. Surface Facilities update in OGIS on:	N/A
5. State/Fee well(s) attached to bond(s) in RBDMS on:	1/22/2016
6. Surface Facilities update in RBDMS on:	N/A

LEASE INTEREST OWNER NOTIFICATION:

1. The **NEW** operator of the Fee (Mineral) wells has been contacted and informed by a letter from the Division

of their responsibility to notify all interest owners of this change on:

1/22/2016

COMMENTS:

From: Gasco Production Company To: Badlands Production Company Effective Date: 4/16/2015

Effective Date: 4/16/2015		T	1-00			1	1		T
Well Name	Section	TWN	-	API Number	Entity	Mineral	Surface	Туре	Status
FEDERAL 23-18G-9-19	18	090S		4304752496		Federal	Federal		APD
FEDERAL 14-17G-9-19	17	090S		4304752522		Federal	Federal		APD
FEDERAL 13-18G-9-19	18	090S		4304752538		Federal	Federal	_	APD
FEDERAL 23-29G-9-19	29	090S		4304752544		Federal	Federal		APD
FEDERAL 24-20G-9-19	20	090S	190E	4304752545		Federal	Federal	1	APD
FEDERAL 31-21G-9-19	21	090S	190E	4304752546		Federal	Federal	OW	APD
Federal 323-29-9-19	29	090S	190E	4304753026		Federal	Federal	GW	APD
Federal 421-29-9-19	29	090S	190E	4304753027		Federal	Federal	GW	APD
Federal 322-29-9-19	29	090S	190E	4304753029		Federal	Federal	GW	APD
Federal 431-29-9-19	29	090S	190E	4304753030		Federal	Federal	GW	APD
Federal 432-29-9-19	29	090S	190E	4304753031		Federal	Federal	GW	APD
Federal 414-29-9-19	29	090S	190E	4304753070	•	Federal	Federal	GW	APD
FEDERAL 412-29-9-19	29	0908	190E	4304753073		Federal	Federal	GW	APD
FEDERAL 213-29-9-19	29	0908	190E	4304753076		Federal	Federal	GW	APD
federal 321-29-9-19	29	0908		4304753078	(mm)	Federal	Federal	GW	APD
FEDERAL 213-29-9-19	29	090S	1	4304753079		Federal	Federal	GW	APD
FEDERAL 321-29-9-19	29	090S		4304753080		Federal	Federal	GW	APD
Federal 212-29-9-19	29	090S		4304753133		Federal	Federal	GW	APD
State 321-32-9-19	32	090S		4304754479		State	State	GW	APD
State 423-32-9-19	32	090S	1	4304754480		State	State	GW	APD
State 421-32-9-19	32	090S	-	4304754481	-	State	State	GW	APD
State 413-32-9-19	32	090S	-	4304754482	1	State	State	GW	APD
State 323-32-9-19	32	090S	-	4304754483	 	State	State	GW	APD
State 431-32-9-19	32	090S		4304754529	ļ	State	State	GW	APD
The state of the s				4304754541			-	-	-
Desert Spring State 224-36-9-18	36	090S			1	State	State	GW	APD
Desert Spring State 243-36-9-18	36	090S	-	4304754542		State	State	GW	APD
Desert Spring State 241-36-9-18	36	0908		4304754543	10650	State	State	GW	APD
FEDERAL 332-30-9-19	30	0908		4304753012		Federal	Federal	GW	DRL
WILKIN RIDGE FED 43-29-10-17	29	100S		4301333098	-	Federal	Federal	GW	OPS
LAMB TRUST 11-23-9-19	23	090S		4304736915	16556		Fee	GW	OPS
SHEEP WASH FED 43-26-9-18	26	090S		4304738573		Federal	Federal	GW	OPS
FEDERAL 13-19-9-19	19	090S	-	4304739777		Federal	Federal	_	OPS
FEDERAL 12-17-9-19	17	090S	-	4304739800			Federal	+	OPS
GATE CYN 31-21-11-15	21	110S		4301332391	13787		State	GW	P
WILKIN RIDGE ST 12-32-10-17	32		-	4301332447		-	State		P
GATE CYN 41-20-11-15	20	110S	-	4301332475	-		State	GW	P
WILKIN RIDGE FED 34-17-10-17	17	100S	170E	4301332560	14726	Federal	Federal	GW	P
GATE CYN 41-19-11-16	19	110S	160E	4301332611	14439	Federal	Federal	GW	P
WILKIN RIDGE ST 44-32-10-17	32	100S	170E	4301332619	15649	State	State	GW	P
WILKIN RIDGE FED 12-4-11-17	4	110S	170E	4301332674	15537	Federal	Federal	GW	P
WILKIN RIDGE ST 24-32-10-17	32	100S	170E	4301332676	15242	State	State	GW	P
WILKIN RIDGE FED 23-29-10-17	29	100S	170E	4301332679	14033	Federal	Federal	GW	P
GATE CYN ST 23-16-11-15	16	110S	150E	4301332685	16082	State	State	GW	P
WILKIN RIDGE ST 34-16-10-17	16	1008	-	4301332730	15243		State	GW	P
WILKIN RIDGE FED 31-29-10-17	29	100S		4301332773		Federal	Federal	+ -	P
WILKIN RIDGE 32-08	8	110S	1	4301332778			Federal		P
GATE CYN ST 23-16-11-16	16	1105	-	4301332888			State	-	P
WILKIN RIDGE FED 24-20-10-17	20	1008				Federal	Federal		P
WILKIN RIDGE FED 32-20-10-17	20	100S	1	4301333087		Federal	Federal		P
WILKIN RIDGE FED 14-4-11-17	4	110S	-	4301333099	-		Federal	-	P
RYE PATCH FED 22-21	22	110S		4301333037		Federal	Federal		P
RYE PATCH FED 22-21 RYE PATCH FED 24-21	24	1105	+	4301333437		Federal	Federal	-	P
The second of th	2		1						P
SQUAW CROSSING U 5	-	1005	-	4304730129	16266		State	OW	-
RBU 5-11D	11	1008	_		9005	Federal	Federal		P
FEDERAL 7-25A	25	090S	INOF	4304730624	9030	Federal	Federal	UW	P

RBU 6-2D	2	100S	180E 4304731190 7075 State State OW P)
NGC 33-18J	18	090S	190E 4304731190 7073 State State OW P	
	2	100S	180E 4304731280 16267 State State OW P	
RBU 13-2D	3			
RBU 16-3D		1005		
RBU 10-11D	11	100S	180E 4304731357 7053 Federal Federal OW P	
RBU 8-10D	10	1008	180E 4304731364 4955 Federal Federal OW P	
RBU 15-3D	3	100S	180E 4304731539 9965 Federal Federal OW P	
RBU 12-12D	12	1008	180E 4304731651 10688 Federal Federal OW P	
RBU 2-10D	10	100S	180E 4304731801 10784 Federal Federal OW P	
RBU 3-15D	15	100S	180E 4304733600 13213 Federal Federal OW P	
RBU 3-12D	12	100S	180E 4304733739 14492 Federal Federal OW P	
STATE 7-36A	36	090S	180E 4304733741 14244 State State GW P	
FEDERAL 34-29	29	090S	190E 4304733750 13174 Federal Federal GW P	
FEDERAL 24-7 #1	7	100S	180E 4304733983 13182 Federal Federal GW P	•
FEDERAL 23-29 #1	29	090S	190E 4304734111 13441 Federal Federal GW P	•
FED 24-20-9-19	20	090S	190E 4304734168 14150 Federal Federal GW P	•
FED 44-20-9-19	20	090S	190E 4304734169 14140 Federal Federal GW P)
FED 23-21-9-19	21	090S	190E 4304734199 13601 Federal Federal GW P	•
FED 32-31-9-19	31	090S	190E 4304734201 13641 Federal Federal GW P)
FED 42-29-9-19	29	090S	190E 4304734202 13455 Federal Federal GW P)
PETES WASH 23-12 #1	12	100S	170E 4304734286 13492 Federal Federal GW P)
STATE 4-32B	32	090S	190E 4304734314 14440 State State GW P	
FED 14-18-2 #1	18	100S	180E 4304734539 13491 Federal Federal GW P	
FED 43-24-3 #1	24	100S	170E 4304734551 13726 Federal Federal GW P	
LYTHAM FED 22-22-9-19	22	0908	190E 4304734607 13640 Federal Federal GW P	
FED 11-21-9-19	21	0908	190E 4304734608 14151 Federal Federal GW P	
FED 22-30-10-18	30	100S	180E 4304734924 14280 Federal Federal GW P	
FEDERAL 43-30-9-19	30	090S	190E 4304735343 14202 Federal Federal GW P	
FED 11-22-9-19	22	090S	190E 4304735404 14203 Federal Federal GW P	
FED 42-21-9-19	21	090S	190E 4304735405 14928 Federal Federal GW P	
	16			
STATE 24-16-9-19		0908		
FEDERAL 31-21-9-19	21	090S	190E 4304735606 14441 Federal Federal GW P	
FEDERAL 12-29-9-19	29	0908	190E 4304735614 14442 Federal Federal GW P	
FEDERAL 24-31-9-19	31	090S	190E 4304735623 14640 Federal Federal GW P	-
FEDERAL 41-31-9-19	31	0908	190E 4304735624 14419 Federal Federal GW P	
LAMB TRUST 24-22-9-19	22		190E 4304735732 14496 Fee Fee GW P	
LAMB TRUST 24-14-9-19	14		190E 4304735733 14519 Fee Fee GW P	
FEDERAL 11-22-10-18	22		180E 4304735808 15592 Federal Federal GW P	
FEDERAL 21-6-10-19	6	100S	190E 4304735844 14356 Federal Federal GW P	
DESERT SPRING ST 41-36-9-18	36	090S	180E 4304735845 14639 State State GW P	
STATE 12-32-9-19	32	0908	190E 4304735995 14871 State State GW P	
FEDERAL 12-20-9-19	20	090S	190E 4304736093 14976 Federal Federal GW P)
FEDERAL 32-20-9-19	20	090S	190E 4304736094 16120 Federal Federal GW P	
FEDERAL 23-30-9-19	30	090S	190E 4304736095 14872 Federal Federal GW P)
SHEEP WASH FED 34-26-9-18	26	090S	180E 4304736113 15096 Federal Federal GW P)
DESERT SPRING ST 23-36-9-18	36	090S	180E 4304736219 14738 State State GW P)
DESERT SPRING ST 21-36-9-18	36	090S	180E 4304736220 14763 State State GW P)
DESERT SPRING ST 12-36-9-18	36	090S	180E 4304736233 14764 State State GW P	
DESERT SPRING ST 43-36-9-18	36	090S	180E 4304736241 14992 State State GW P	•
DESERT SPRING ST 34-36-9-18	36	090S	180E 4304736242 14716 State State GW P)
FEDERAL 14-31-9-19	31	090S	190E 4304736271 15884 Federal Federal GW P)
FEDERAL 12-31-9-19	31	090S	190E 4304736336 15086 Federal Federal GW P	
FEDERAL 21-31-9-19	31	0908	190E 4304736368 15605 Federal Federal GW P	
FEDERAL 23-31-9-19	31	0908	190E 4304736442 15715 Federal Federal GW P	
SHEEP WASH FED 43-25-9-18	25	090S	180E 4304736600 14977 Federal Federal GW P	
FEDERAL 43-19-9-19	19	090S	190E 4304736719 15186 Federal Federal GW P	
1 DDDIM1D 7J-17-7-17	17	10703	I TOUCH TOUT I TO I TOUCHAI TOUCHAI UW F	

From: Gasco Production Company To: Badlands Production Company Effective Date: 4/16/2015

CHEED WASH DED OF CASE	- 105	0000	100E 4004504505	15675	P. 1 2	F. 2 1	CITY	D
SHEEP WASH FED 21-25-9-18	25	090S	180E 4304736727			Federal	GW	P
FEDERAL 21-30-9-19	30	0908	190E 4304736739		Federal	Federal	GW	P
SHEEP WASH FED 23-25-9-18	25	090S	180E 4304736740		Federal	Federal	GW	P
FEDERAL 23-19-9-19	19	090S	190E 4304736771		Federal			P
SHEEP WASH FED 41-25-9-18	25	090S	180E 4304736772		+	Federal	+	P
FEDERAL 41-30-9-19	30		190E 4304736817			Federal	GW	P
LAMB TRUST 34-22-9-19	22	090S	190E 4304736913		+	Fee	GW	P
LAMB TRUST 14-14-9-19	14	090S	190E 4304736916			Fee	GW	P
DESERT SPRING ST 33-36-9-18	36	090S	180E 4304737115	 		State	GW	P
FEDERAL 14-17-9-19	17	0908	190E 4304737116		Federal	Federal	+	P
FEDERAL 34-18-9-19	18		190E 4304737117		Federal	Federal		P
UTELAND ST 41-2-10-18	2	100S	180E 4304737132	15087	-	State	GW	P
UTELAND ST 43-2-10-18	2	1005	180E 4304737338	-		State	GW	P
FEDERAL 41-19-9-19	19	0908			Federal	Federal	_	P
FEDERAL 32-30-9-19	30	0908	190E 4304737612		 	Federal		P
FEDERAL 12-30-9-19	30	0908	190E 4304737613	 	+	Federal		P
FEDERAL 21-19-9-19	19		190E 4304737621		Federal		GW	P
FEDERAL 14-18-9-19	18	0908	190E 4304737622			Federal		P
FEDERAL 34-30-9-19	30	090S	190E 4304737630	 		Federal		P
DESERT SPRING FED 21-1-10-18	1	1008	180E 4304737631			Federal	+	P
FEDERAL 12-1-10-18	1	1005	180E 4304737646		+	Federal	+	P
SHEEP WASH FED 14-25-9-18	25	090S	180E 4304737647	•		Federal		P
UTELAND ST 21-2-10-18	2	100S	180E 4304737676		 	State	GW	P
UTELAND ST 12-2-10-18	2	100S		15806		State	GW	P
UTELAND ST 34-2-10-18	2	100S		16868	+	State	GW	P
FEDERAL 14-19-9-19	19	090S	190E 4304738336		+	Federal	+	P
FEDERAL 34-19-9-19	19	0908			Federal	Federal	_	P
SHEEP WASH FED 41-26-9-18	26	0908			Federal	Federal		P
SHEEP WASH FED 32-25-9-18	25	0908	180E 4304738352		Federal	Federal		P
SHEEP WASH FED 34-25-9-18	25 19	090S 090S			Federal	Federal Federal		P
FEDERAL 12-19-9-19	26	090S	190E 4304738407 180E 4304738465			Federal	GW	P
SHEEP WASH FED 23-26-9-18	25	0908			Federal Federal			P
SHEEP WASH FED 12-25-9-18	18	090S	190E 4304738575			Federal	GW	P
FEDERAL 23-18-9-19 LAMB TRUST 34-22A-9-19	22		190E 4304738573 190E 4304738673			Federal		P
UTELAND FED 42-11-10-18	11		180E 4304738896			Fee	GW	P
	32	090S	190E 4304739170		·			P
STATE 22 22A	32		190E 4304739170 190E 4304739171			State	GW	P
STATE 21-22A	32	0908	190E 4304739171 190E 4304739172			State	GW	P
STATE 21-32A	19	090S 090S	190E 4304739172 190E 4304739717		·	State Federal	GW	
FEDERAL 11-19-9-19 SHEEP WASH FED 31-25-9-18	25	_	180E 4304739717		 		_	P P
	25	0908				Federal	+	+
SHEEP WASH FED 11-25-9-18	1	090S	180E 4304739730		+	Federal	 	P
DESERT SPG FED 41-1-10-18 FED 32-19X-9-19(RIGSKID)	19	100S 090S			Federal Federal	Federal Federal		P P
FEDERAL 23-30G-9-19	30	090S			Federal	Federal		P
FEDERAL 23-30G-9-19 FEDERAL 34-19G-9-19	19	090S	190E 4304751281			Federal		P
FEDERAL 34-19G-9-19 FEDERAL 442-30-9-19	30	090S	190E 4304751281 190E 4304752870		†	Federal	 	P
FEDERAL 333-30-9-19	30	090S	190E 4304752870 190E 4304752872			Federal		P
FEDERAL 423-30-9-19	30	090S	190E 4304752872 190E 4304753011			Federal		P
Desert Springs State 412-36-9-18	36	090S	180E 4304753324			State	GW	P
	36	090S	180E 4304753324 180E 4304753325		-		+	P
Desert Springs State 424-36-9-18 Desert Springs State 123-26-9-18	36	090S	· · · · · · · · · · · · · · · · · · ·		·	State	GW	P
Desert Spring State 133-36-9-18			180E 4304753326			State	GW	
Desert Spring State 142-36-9-18	36	0908	180E 4304753327			State	GW	P
DESERT SPRINGS ST 422-36-9-18	36	0908	180E 4304753328			State	GW	P
WILKIN RIDGE ST 31-32-10-17	32	100S	170E 4301332677			State	GW	S
RBU 4-11D	11	100S	180E 4304730718	10209	rederal	Federal	UW	S

From: Gasco Production Company To: Badlands Production Company Effective Date: 4/16/2015

RBU 2-11D	11	100S	180E	4304730826	16270	Federal	Federal	ow	S
RBU 6-11D	11	100S	180E	4304731192	16271	Federal	Federal	OW	S
STATE 2-32B	32	090S	190E	4304732221	11371	State	State	GW	S
STATE 9-36A	36	090S	180E	4304732225	11364	State	State	GW	S
FEDERAL 13-30B	30	090S	190E	4304733581	13249	Federal	Federal	GW	S
STATE 13-36A	36	090S	180E	4304733598	17838	State	State	GW	S
FEDERAL 16-26A	26	090S	180E	4304733601	12928	Federal	Federal	GW	S
FEDERAL 31-29	29	090S	190E	4304733653	13077	Federal	Federal	GW	S
RBU 1-10D	10	100S	180E	4304734312	16265	Federal	Federal	OW	S
FEDERAL 13-18-9-19	18	090S	190E	4304739776	17149	Federal	Federal	GW	S

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES

ı	DIVISION OF OIL, GAS AND MINING		5. LEASE DESIGNATION AND SERIAL NUMBER: UTU-76482
SUNDRY	NOTICES AND REPORTS ON WEI	LS	6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
Do not use this form for proposals to drill n drill horizontal la	wwwells, significantly deepen existing wells below current bottom-hole de erals. Use APPLICATION FOR PERMIT TO DRILL form for such propos	pth, reenter plugged wells, or to als.	7. UNIT OF CA AGREEMENT NAME:
1. TYPE OF WELL OIL WELL	GAS WELL OTHER		8. WELL NAME and NUMBER: Desert Spring Fed 21-1-10-18
2. NAME OF OPERATOR:			9. API NUMBER: 4304737631
Gasco Production Compa: 3. ADDRESS OF OPERATOR:		PHONE NUMBER:	10. FIELD AND POOL, OR WILDCAT:
7979 E. Tufts Ave.	Denver STATE CO ZIP 80237	(303) 483-0044	Uteland Butte
4. LOCATION OF WELL FOOTAGES AT SURFACE: 0633 F	NL 1512 FWL		соинту: Uintah
QTR/QTR, SECTION, TOWNSHIP, RANG	BE, MERIDIAN: NENW 1 10S 18E S		STATE: UTAH
11. CHECK APPE	OPRIATE BOXES TO INDICATE NATURE	OF NOTICE, REPO	RT, OR OTHER DATA
TYPE OF SUBMISSION	1	YPE OF ACTION	
Gasco Production Compar	CHANGE TO PREVIOUS PLANS CHANGE TUBING CHANGE WELL NAME CHANGE WELL STATUS PRODUCT COMMINGLE PRODUCING FORMATIONS RECLAMA CONVERT WELL TYPE MPLETED OPERATIONS. Clearly show all pertinent details in any requests a change of operator on this well dlands Production Company, effective date	STRUCTION R CHANGE ABANDON K ION (START/RESUME) FION OF WELL SITE ETE - DIFFERENT FORMATION Icluding dates, depths, volume I, in addition to the we	
303-996-1805 Michael Decker, Exec. Video	President & COO		RECEIVED
Badlands Production Com	pany		REVEIVEL
7979 E Tufts Ave, Suite 11			JUN 0 2 2015
Denver CO 80237 303-996-1805			
Michael Decker, Exec. Vice	President & COO	DIV. :	OF OIL, GAS & MINING
NAME (PLEASE PRINT) Lindsey Co	oke TIT	Engineering Tech	1
SIGNATURE AND SIGNATURE	COOKE DA	5/18/2015	
(This space for State use only)		API	PROVED

Well Name	Section	TWN	RNG	API	Entity	Mineral	Surface	Type	Status
FEDERAL 332-30-9-19	30	090S	190E	4304753012	19650	Federal	Federal	GW	DRL
WILKIN RIDGE FED 43-29-10-17	29	100S	170E	4301333098	15941	Federal	Federal	GW	OPS
LAMB TRUST 11-23-9-19	23	090S	190E	4304736915	16556	Fee	Fee	GW	OPS
SHEEP WASH FED 43-26-9-18	26	090S	180E	4304738573	17201	Federal	Federal	GW	OPS
FEDERAL 13-19-9-19	19	090S	190E	4304739777	18344	Federal	Federal	GW	OPS
FEDERAL 12-17-9-19	17	090S	190E	4304739800	17202	Federal	Federal	GW	OPS
GATE CYN 31-21-11-15	21	1108	150E	4301332391	13787	State	State	GW	P
WILKIN RIDGE ST 12-32-10-17	32	100S	170E	4301332447	14033	State	State	GW	P
GATE CYN 41-20-11-15	20	110S	150E	4301332475	14417	State	State	GW	P
WILKIN RIDGE FED 34-17-10-17	17	100S	170E	4301332560	14726	Federal	Federal	GW	P
GATE CYN 41-19-11-16	19	1108	160E	4301332611	14439	Federal	Federal	GW	P
WILKIN RIDGE ST 44-32-10-17	32	100S	170E	4301332619	15649	State	State	GW	P
WILKIN RIDGE FED 12-4-11-17	4	110S	170E	4301332674	15537	Federal	Federal	GW	P
WILKIN RIDGE ST 24-32-10-17	32	100S	170E	4301332676	15242	State	State	GW	P
WILKIN RIDGE FED 23-29-10-17	29	100S	170E	4301332679	14033	Federal	Federal	GW	P
GATE CYN ST 23-16-11-15	16	110S	150E	4301332685	16082	State	State	GW	P
WILKIN RIDGE ST 34-16-10-17	16	100S	170E	4301332730	15243	State	State	GW	P
WILKIN RIDGE FED 31-29-10-17	29	100S	170E	4301332773	15370	Federal	Federal	GW	P
WILKIN RIDGE 32-08	8	1108	170E	4301332778	14802	Federal	Federal	GW	P
GATE CYN ST 23-16-11-16	16	110S	160E	4301332888	15098	State	State	GW	P
WILKIN RIDGE FED 24-20-10-17	20	100S	170E	4301333081	15714	Federal	Federal	GW	P
WILKIN RIDGE FED 32-20-10-17	20	100S	170E	4301333087	15807	Federal	Federal	GW	P
WILKIN RIDGE FED 14-4-11-17	4	110S	170E	4301333099	15920	Federal	Federal	GW	P
RYE PATCH FED 22-21	22	1108	140E	4301333437	16919	Federal	Federal	GW	P
RYE PATCH FED 24-21	24	1108	140E	4301333443	16367	Federal	Federal	GW	P
RBU 5-11D	11	1008	180E	4304730409	9005	Federal	Federal	OW	P
FEDERAL 7-25A	25	090S	180E	4304730624	9030	Federal	Federal	OW	P
RBU 6-2D	2	100\$	180E	4304731190	7075	State	State	OW	P
NGC 33-18J	18	0908	190E	4304731200	6155	Federal	Federal	OW	P
RBU 13-2D	2	1008	180E	4304731280	16267	State	State	OW	P
RBU 16-3D	3	1008	180E	4304731352	16268	Federal	Federal	OW	P
RBU 10-11D	11	1008	180E	4304731357	7053	Federal	Federal	OW	P
RBU 8-10D	10	100S	180E	4304731364	4955	Federal	Federal	OW	P
RBU 15-3D	3	100S	180E	4304731539	9965	Federal	Federal	OW	P
RBU 12-12D	12	100S	180E	4304731651	10688	Federal	Federal	OW	P
RBU 2-10D	10	1008	180E	4304731801	10784	Federal	Federal	OW	P
RBU 3-15D	15	100S	180E	4304733600	13213	Federal	Federal	OW	P
RBU 3-12D	12	1005	180E	4304733739	14492	Federal	Federal	OW	P
STATE 7-36A	36	090S	180E	4304733741	14244	State	State	GW	P
FEDERAL 34-29	29	090\$	190E	4304733750	13174	Federal	Federal	GW	P
FEDERAL 24-7 #1	7	100S	180E	4304733983	13182	Federal	Federal	GW	P
FEDERAL 23-29 #1	29	090S	190E	4304734111	13441	Federal	Federal	GW	P
FED 24-20-9-19	20	0908	190E	4304734168	14150	Federal	Federal	GW	P
FED 44-20-9-19	20	0908	190E	4304734169	14140	Federal	Federal	GW	P
FED 23-21-9-19	21	0908	190E	4304734199	13601	Federal	Federal	GW	P
FED 32-31-9-19 FED 42-29-9-19	31 29	090S 090S	190E 190E	4304734201 4304734202	13641 13455	Federal Federal	Federal Federal	GW GW	P P
PETES WASH 23-12 #1			170E			Federal		GW	
	12 32	1008		4304734286	13492	State	Federal State		P P
STATE 4-32B		090\$	190E 180E	4304734314	14440			GW GW	
FED 14-18-2 #1	18	100S		4304734539	13491	Federal	Federal Federal		P
FED 43-24-3 #1 LYTHAM FED 22-22-9-19	24 22	100S 090S	170E 190E	4304734551 4304734607	13726 13640	Federal Federal	Federal	GW GW	P P
FED 11-21-9-19 FED 22-30-10-18	21 30	090S 100S	190E 180E	4304734608 4304734924	14151 14280	Federal Federal	Federal Federal	GW GW	P P
			190E		14202	Federal	Federal	GW	
FEDERAL 43-30-9-19	30	0908		4304735343					P P
FED 11-22-9-19 FED 42-21-9-19	22 21	090S 090S	190E 190E	4304735404 4304735405	14203 14928	Federal Federal	Federal Federal	GW GW	P P
STATE 24-16-9-19	16	090S	190E	4304735588	14418	State	Federal	GW	r P
31A1E 44-10-7-17	10	いろいろ	IYUE	4JU4/JJJ00	14419	SIMIC	reuerai	UW	Г

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FEDERAL 31-21-9-19	21	090S	190E	4304735606	14441	Federal	Federal	GW	P
FEDERAL 12-29-9-19	29	090S	190E	4304735614	14442	Federal	Federal	GW	P
FEDERAL 24-31-9-19	31	090S	190E	4304735623	14640	Federal	Federal	GW	P
FEDERAL 41-31-9-19	31	090S	190E	4304735624	14419	Federal	Federal	GW	P
LAMB TRUST 24-22-9-19	22	090S	190E	4304735732	14496	Fee	Fee	GW	P
LAMB TRUST 24-14-9-19	14	090S	190E	4304735733	14519	Fee	Fee	GW	P
FEDERAL 11-22-10-18	22	100S	180E	4304735808	15592	Federal	Federal	GW	P
FEDERAL 21-6-10-19	6	100S	190E	4304735844	14356	Federal	Federal	GW	P
DESERT SPRING ST 41-36-9-18	36	090S	180E	4304735845	14639	State	State	GW	P
STATE 12-32-9-19	32	090S	190E	4304735995	14871	State	State	GW	P
FEDERAL 12-20-9-19	20	090S	190E	4304736093	14976	Federal	Federal	GW	P
									r P
FEDERAL 32-20-9-19	20	090\$	190E	4304736094	16120	Federal	Federal	GW	_
FEDERAL 23-30-9-19	30	0908	190E	4304736095	14872	Federal	Federal	GW	P
SHEEP WASH FED 34-26-9-18	26	090\$	180E	4304736113	15096	Federal	Federal	GW	P
DESERT SPRING ST 23-36-9-18	36	090S	180E	4304736219	14738	State	State	GW	P
DESERT SPRING ST 21-36-9-18	36	090S	180E	4304736220	14763	State	State	GW	P
DESERT SPRING ST 12-36-9-18	36	090S	180E	4304736233	14764	State	State	GW	P
DESERT SPRING ST 43-36-9-18	36	090S	180E	4304736241	14992	State	State	GW	P
DESERT SPRING ST 34-36-9-18	36	090S	180E	4304736242	14716	State	State	GW	P
FEDERAL 14-31-9-19	31	090S	190E	4304736271	15884	Federal	Federal	GW	P
FEDERAL 12-31-9-19	31	090S	190E	4304736336	15086	Federal	Federal	GW	P
FEDERAL 21-31-9-19	31	090S	190E	4304736368	15605	Federal	Federal	GW	P
FEDERAL 23-31-9-19	31	0908	190E	4304736442	15715	Federal	Federal	GW	P
SHEEP WASH FED 43-25-9-18	25	090S	180E	4304736600	14977	Federal	Federal	GW	P
* * * * * =			190E						P
FEDERAL 43-19-9-19	19	0908		4304736719	15186	Federal	Federal	GW	-
SHEEP WASH FED 21-25-9-18	25	090S	180E	4304736727	15475	Federal	Federal	GW	P
FEDERAL 21-30-9-19	30	090\$	190E	4304736739	15476	Federal	Federal	GW	P
SHEEP WASH FED 23-25-9-18	25	090S	180E	4304736740	15213	Federal	Federal	GW	P
FEDERAL 23-19-9-19	19	090S	190E	4304736771	15355	Federal	Federal	GW	P
SHEEP WASH FED 41-25-9-18	25	090\$	180E	4304736772	15338	Federal	Federal	GW	P
FEDERAL 41-30-9-19	30	090S	190E	4304736817	15212	Federal	Federal	GW	P
LAMB TRUST 34-22-9-19	22	090S	190E	4304736913	15187	Fee	Fee	GW	P
LAMB TRUST 14-14-9-19	14	090S	190E	4304736916	17012	Fee	Fee	GW	P
DESERT SPRING ST 33-36-9-18	36	090S	180E	4304737115	15011	State	State	GW	P
FEDERAL 14-17-9-19	17	090S	190E	4304737116	16163	Federal	Federal	GW	P
FEDERAL 34-18-9-19	18	090S	190E	4304737117	16275	Federal	Federal	GW	P
UTELAND ST 41-2-10-18	2	100S	180E	4304737132	15087	State	State	GW	P
UTELAND ST 43-2-10-18	2	100S	180E	4304737338	15365	State	State	GW	P
FEDERAL 41-19-9-19	19	0908	190E	4304737611	16311	Federal	Federal	GW	P
FEDERAL 32-30-9-19	30	090S	190E	4304737612	16051	Federal	Federal	GW	P
	30			4304737613			+	GW	_
FEDERAL 12-30-9-19		0908				Federal	Federal		P
FEDERAL 21-19-9-19	19	0908	190E		16253	Federal	Federal	GW	P
FEDERAL 14-18-9-19	18	0908	190E	4304737622	16264	Federal	Federal	GW	P
FEDERAL 34-30-9-19	30	090S	190E	4304737630	16557	Federal	Federal	GW	P
DESERT SPRING FED 21-1-10-18		100S	180E	4304737631	15961	Federal	Federal	GW	P
FEDERAL 12-1-10-18	1	100S	180E	4304737646	16023	Federal	Federal	GW	P
SHEEP WASH FED 14-25-9-18	25	090S	180E	4304737647	16121	Federal	Federal	GW	P
UTELAND ST 21-2-10-18	2	100S	180E	4304737676	16254	State	State	GW	P
UTELAND ST 12-2-10-18	2	100S	180E	4304737677	15806	State	State	GW	P
UTELAND ST 34-2-10-18	2	100S	180E	4304738028	16868	State	State	GW	P
FEDERAL 14-19-9-19	19	090S	190E	4304738336	16467	Federal	Federal	GW	P
FEDERAL 34-19-9-19	19	090S	190E	4304738337	16119	Federal	Federal	GW	P
SHEEP WASH FED 41-26-9-18	26	0908	180E	4304738351	16884	Federal	Federal	GW	P
SHEEP WASH FED 32-25-9-18		090S	180E	4304738352	16349	Federal	Federal	GW	P
	2.3								
SHEEP WASH FED 34-25-9-18	25 25		180E	4304738353	16210	Federal	Federal	GW	Р
SHEEP WASH FED 34-25-9-18 FEDERAL 12-19-9-19	25	090S	180E 190E	4304738353 4304738407	16210 16236	Federal Federal	Federal Federal	GW GW	P P
FEDERAL 12-19-9-19	25 19	090S 090S	190E	4304738407	16236	Federal	Federal	GW	P
FEDERAL 12-19-9-19 SHEEP WASH FED 23-26-9-18	25 19 26	090S 090S 090S	190E 180E	4304738407 4304738465	16236 16558	Federal Federal	Federal Federal	GW GW	P P
FEDERAL 12-19-9-19	25 19	090S 090S	190E	4304738407	16236	Federal	Federal	GW	P

LAMB TRUST 34-22A-9-19	22	090S	190E	4304738673	15832	Fee	Fee	GW	P
UTELAND FED 42-11-10-18	11	100S	180E	4304738896	16792	Federal	Federal	GW	P
STATE 21-32B	32	090S	190E	4304739170	16309	State	State	GW	P
STATE 22-32A	32	090S	190E	4304739171	16308	State	State	GW	P
STATE 21-32A	32	090S	190E	4304739172	16310	State	State	GW	P
FEDERAL 11-19-9-19	19	090S	190E	4304739717	17054	Federal	Federal	GW	P
SHEEP WASH FED 31-25-9-18	25	090S	180E	4304739729	17241	Federal	Federal	GW	P
SHEEP WASH FED 11-25-9-18	25	090S	180E	4304739730	17266	Federal	Federal	GW	P
DESERT SPG FED 41-1-10-18	1	100S	180E	4304739773	17013	Federal	Federal	GW	P
FED 32-19X-9-19(RIGSKID)	19	090S	190E	4304740233	17014	Federal	Federal	GW	P
FEDERAL 23-30G-9-19	30	090S	190E	4304751280	18211	Federal	Federal	ow	P
FEDERAL 34-19G-9-19	19	090S	190E	4304751281	18210	Federal	Federal	ow	P
FEDERAL 442-30-9-19	30	090S	190E	4304752870	19647	Federal	Federal	GW	P
FEDERAL 333-30-9-19	30	090S	190E	4304752872	19648	Federal	Federal	GW	P
FEDERAL 423-30-9-19	30	090S	190E	4304753011	19649	Federal	Federal	GW	P
Desert Springs State 412-36-9-18	36	090S	180E	4304753324	19783	State	State	GW	P
Desert Springs State 424-36-9-18	36	090S	180E	4304753325	19783	State	State	GW	P
Desert Springs State 133-36-9-18	36	090S	180E	4304753326	19747	State	State	GW	P
Desert Spring State 142-36-9-18	36	090S	180E	4304753327	19747	State	State	GW	P
DESERT SPRINGS ST 422-36-9-18	36	090S	180E	4304753328	19783	State	State	GW	P
WILKIN RIDGE ST 31-32-10-17	32	100S	170E	4301332677	15144	State	State	GW	S
SQUAW CROSSING U 5	2	100S	180E	4304730129	16266	State	State	ow	S
RBU 4-11D	11	100S	180E	4304730718	16269	Federal	Federal	OW	S
RBU 2-11D	11	100S	180E	4304730826	16270	Federal	Federal	OW	S
RBU 6-11D	11	100S	180E	4304731192	16271	Federal	Federal	OW	S
STATE 2-32B	32	090S	190E	4304732221	11371	State	State	GW	S
STATE 9-36A	36	090S	180E	4304732225	11364	State	State	GW	S
FEDERAL 13-30B	30	090S	190E	4304733581	13249	Federal	Federal	GW	S
STATE 13-36A	36	090S	180E	4304733598	17838	State	State	GW	S
FEDERAL 16-26A	26	090S	180E	4304733601	12928	Federal	Federal	GW	S
FEDERAL 31-29	29	090S	190E	4304733653	13077	Federal	Federal	GW	S
RBU 1-10D	10	100S	180E	4304734312	16265	Federal	Federal	OW	S
FEDERAL 13-18-9-19	18	090S	190E	4304739776	17149	Federal	Federal	GW	S



United States Department of the Interior

BUREAU OF LAND MANAGEMENT
Utah State Office
440 West 200 South, Suite 500
Salt Lake City, UT 84101-1345
http://www.blm.gov/ut/st/en.html



IN REPLY REFER TO: 3180 (UTU90523X) UT-922000

October 30, 2015

Mr. Josh Crist Badlands Energy, Inc. 7979 East Tufts Avenue, Suite 1150 Denver, Colorado 80237

Dear Mr. Crist:

The Gate Canyon II Unit Agreement, Duchesne County, Utah, is approved effective October 30, 2015. This agreement has been designated No. UTU90523X.

This unit provides for the drilling of one obligation well and subsequent drilling obligations pursuant to Section 9 of the unit agreement. The initial well is to be drilled to a depth of 15,605 feet or a depth sufficient to test 100 feet below the top of the Dakota Formation, whichever is less; and located in the SE¼ of Section 18, Township 11 South, Range 15 East, SLB&M, Duchesne County, Utah.

No extension of time beyond April 30, 2016, will be granted to commence the "obligation well" other than "unavoidable delay" (Section 25), where justified.

Approval of this agreement does not warrant or certify that the operator thereof and other holders of operating rights hold legal or equitable title to those rights in the subject leases which are committed hereto.

The basic information is as follows:

- 1. The depth of the test well and the area to be unitized were approved under the unit plan regulations of December 22, 1950, by Bureau of Land Management letter dated May 19, 2015.
- 2. All substances are unitized.

3. The unit area embraces 27,955.41 acres, more or less, of which the 20,471.11 acres (73.23 percent) are Federal lands; 7,084.30 acres (25.34 percent) are State lands, and 400.00 (1.43 percent are Patented lands.

The following leases embrace lands included within the unit area:

UTU62159	UTU67253	UTU74396	UTU76810
UTU65319	UTU73165	UTU75231	UTU76811
UTU65779**	UTU73425	UTU75233	UTU76812
UTU66798	UTU74387	UTU75670	UTU80914**
UTU66800	UTU74395	UTU76478	

^{**} Indicates non-committed leases.

All lands and interests are fully/effectively committed except Tracts 3 totaling 270.80 acres (0.97 percent) Tract 19 totaling 320.00 acres (1.14 percent) and Tract 28 totaling 80.00 acres (.29 percent) which are not committed. Also, certain overriding royalty interest owners have not signed the unit agreement. All parties owning interests within this unit area were invited to join the unit agreement.

Unleased Federal land, Tract 20, totaling 360.00 acres (1.29 percent), is not committed, but is considered to be effectively controlled acreage because, prior to issuance of leases for the acreage, the lessee(s) may be required to commit to the unit agreement.

In view of the foregoing commitment status, effective control of operations within the unit area is assured. We are of the opinion that the agreement is necessary and advisable in the public interest and for the purpose of more properly conserving natural resources.

Copies of the approved agreement are being distributed to the BLM Vernal Field Office, Utah Division of Oil, Gas and Mining, and the Office of Natural Resources Revenue. You are requested to furnish all other interested parties with appropriate evidence of this approval.

If there are any questions, please contact Judy Nordstrom at (801) 539-4108.

Sincerely,

Roger L. Bankert

Chief, Branch of Minerals

Roger & Bankert

UDOGM cc: SITLA

ONRR w/Exhibit B (Attn: Jessica Bowlen/Joshua Pearson) FOM – Vernal w/enclosure

CERTIFICATION - DETERMINATION

Pursuant to the authority vested in the Secretary of the Interior, under the Act approved

February 25, 1920, 41 Stat. 437, as amended, 30 U.S.C. sec 181, et seq., and delegated to the

Authorized Officer of the Bureau of Land Management, under the authority of 43 CFR 3180, I

do hereby:

Α. Approve the attached agreement for the development and operation of the Gate

Canyon II Unit Area, Duchesne County, Utah. This approval shall be invalid ab initio if the

public interest requirement under § 3183.4(b) of this title is not met.

B. Certify and determine that the unit plan of development and operation

contemplated in the attached agreement is necessary and advisable in the public interest for the

purpose of more properly conserving the natural resources.

C. Certify and determine that the drilling, producing, rental, minimum royalty and

royalty requirements of all Federal leases committed to said Agreement are hereby established,

altered, changed or revoked to conform with the terms and conditions of this agreement.

Dated: October 30, 2015

Chief, Branch of Minerals

Roger & Bankert

Bureau of Land Management

Contract No: <u>UTU90523X</u>

Wells added to Gate Canyon II Unit. Effective October 30, 2015

GATE CYN 41-20-11-15	20	110S	150E	4301332475	14417	State	State	GW	P
GATE CYN 31-21-11-15	21	110S	150E	4301332391	13787	State	State	GW	P
GATE CYN ST 23-16-11-16	16	110S	160E	4301332888	15098	State	State	GW	P
GATE CYN 41-19-11-16	19	11 0S	160E	4301332611	14439	Federal	Federal	GW	P